



# FACULTY OF ENGINEERING

## ANNUAL REPORT

### 2012

<http://www.feng.unimas.my>

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## DEAN'S MESSAGE

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For the year 2012, the academic staffs and students of the Faculty of Engineering were actively involved in several teaching and research activities. As of 2012, there were five academic programmes being offered and the total number of students enrolled is 1287. Four of the programmes are accredited by the Board of Engineers Malaysia for the graduation year until 2013, whereas the Chemical Engineering Programme is expected to be accredited on 22-23 May 2013 for the first time. As in the previous years, all of the programmes were undergoing continuous quality improvements to ensure the learning objectives of the programmes are achieved. Besides offering the undergraduate programme, the Faculty of Engineering is also offering postgraduate studies by research and also by course work. The Department of Civil Engineering is offering Master of Engineering (Civil) by coursework since 2010 which has been accredited by MQA.

The year 2012 has seen several graduates successfully completing their Masters of Engineering (Civil) via coursework and they had received their academic scroll during the UNIMAS's graduation commencement ceremony in October 2012. Overall, there are about 96 postgraduates students currently pursuing their masters and PhD studies. The Faculty of Engineering also successfully organizing several students' activities in the year 2012 in order to give exposure to the participants about soft-skills attributes. As in academic excellence, 2 of Faculty of Engineering Students' received Anugerah Senat, 1 IEM Gold Awards and 8 in Zecon Academic Excellence Awards. The faculty also successfully collaborates with national and international university and industries specializing in engineering. Memorandum of Understanding were signed between UNIMAS and Yamaguchi University of Japan and between UNIMAS and Tokuyama Corporation, Japan

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# VISION & MISSION

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## VISION OF THE FACULTY

To excel in providing quality engineering programmes through a dynamic and innovative education system, specialising in its niche research areas for the benefits of the nation.

## MISSION OF THE FACULTY

To provide innovative and systematic engineering education and produce ethical engineers with good technical and interpersonal skills through dedication and commitment of faculty members renowned in their respective niche areas with excellent networking and thus addressing the inspirations of stakeholders.

## QUALITY POLICY

Faculty of Engineering is committed to become the preferred faculty chosen by prospective students and to produce excellent and quality graduates by providing outstanding teaching services through the recruiting of quality and qualified lecturers.

## QUALITY OBJECTIVES

- Ensure that the implementation of teaching plan is 100% achieved.
- Ensure adequate resources to facilitate the implementation of teaching, learning and assessment activities.
- Ensure sufficient and qualified lecturers.
- Ensure that customer satisfaction is 100% achieved.

# 1 SUPPORT STAFF 2012

## 1.1 MANAGEMENT & ADMINISTRATIVE STAFF LIST

### 1.1.1 Statistic of Management Staff

Designation	Total
Dean	1
Deputy Dean	2
Head of Department	4
Program Coordinator	6
Administratif & Professional Officer	4
<b>TOTAL</b>	<b>17</b>

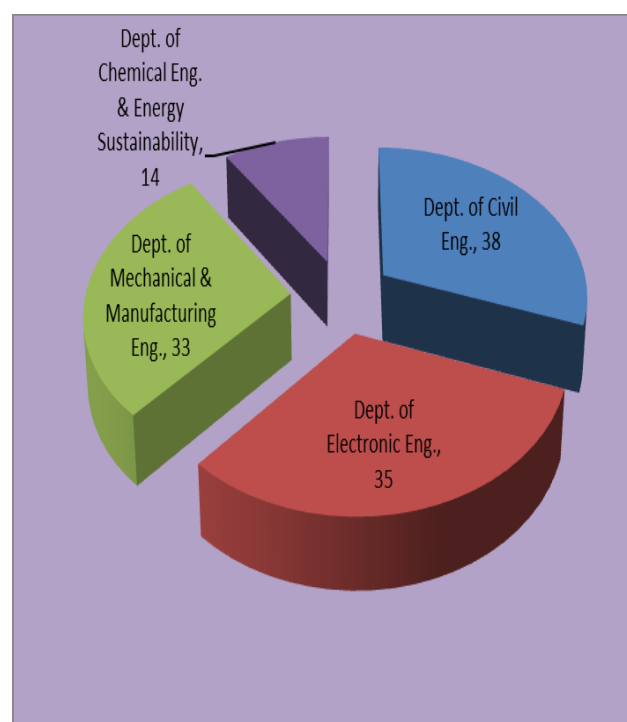
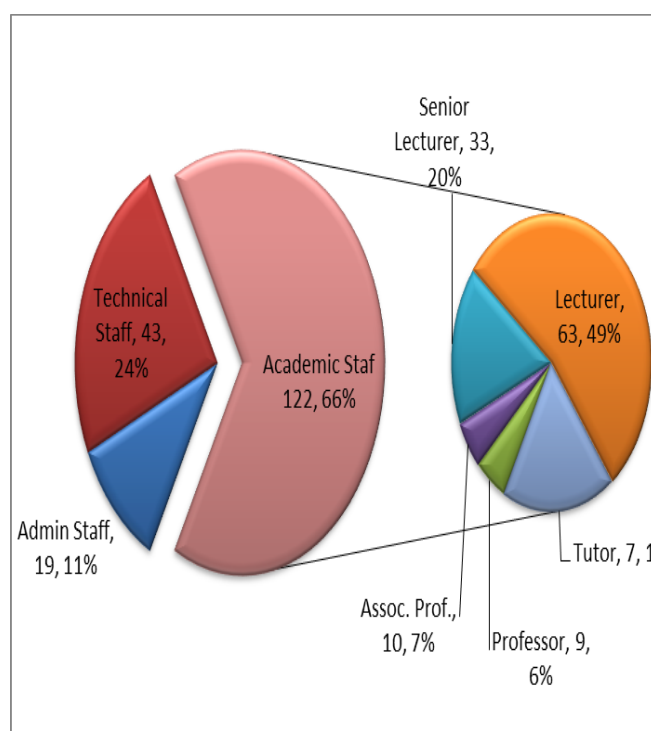
### 1.1.2 List of Management Staff

Name	Designation
<b>Professor Dr. Wan Hashim Bin Wan Ibrahim</b>	Dean
<b>Associate Professor Dr. Al-Khalid Bin Hj Othman</b>	Deputy Dean (Undergraduate & Student Development)
<b>Dr Hushairi Zen</b>	Deputy Dean (Postgraduate & Research )
<b>Dr Thelaha Hj Masri</b>	Head of Department Department of Electronic Engineering (JKE)
<b>Dr Abdullah Yassin</b>	Head of Department Department of Mechanical & Manufacturing Engineering (JKMP)
<b>Dr Shanti Faridah Salleh</b>	Head of Department Department of Chemical Engineering & Energy Sustainability (JKE)
<b>Puan Rosmina Ahmad Bustami</b>	Head of Department Department of Civil Engineering (JKE)
<b>Puan Hadijah Hj Morni</b>	Chief Assistant Registrar
<b>Encik Muhammad Azhan B. Abdullah</b>	Assistant Registrar
	Information Technology Officer
<b>Encik Raja Mohd Raffel Zulkifli</b>	Science Officer
<b>Cik Norzilawati Azwa binti Mohamad</b>	Science Officer

## 1.2 ACADEMIC STAFF LIST

Academic Staff	122
Admin Staff	19
Technical Staff	43

FENG Academic Staff	Number of Staff
Professor	9
Assoc. Prof.	10
Senior Lecturer	33
Lecturer	63
Tutor	7





### 1.2.1 Department of Civil Engineering

No.	Name	Designation
1.	Professor Dr Wan Hashim Wan Ibrahim	Professor / Dean
2.	Professor Ir. Dr Law Puong Ling	Professor
3.	Professor Dr F.J. Putuhena	Professor
4.	Professor Dr Ng Chee Khoon	Professor
5.	Professor Dr Shenbaga Rajaratnam Kaniraj Jeyachandran	Professor
6.	Professor Dr Md Abdul Mannan	Professor
7.	Associate Professor Dr Mohammad Ibrahim Safawi Mohd Zain	Associate Professor
8.	Associate Professor Dr Azhaili Baharun	Associate Professor
9.	Associate Professor Dr Nasser Rostam Afshar	Associate Professor
10.	Associate Professor Dr Resdiansyah Mansyur	Associate Professor
11.	Dr Siti Noor Linda Taib	Senior Lecturer
12.	Dr Delsye Teo Ching Lee	Senior Lecturer
13.	Dr Onni Suhaiza Selaman	Senior Lecturer
14.	Dr Siti Halipah Ibrahim	Senior Lecturer
15.	Dr Abdul Razak Abdul Karim	Senior Lecturer
16.	Dr Norazzlina M. Sa'don	Senior Lecturer
17.	Ir. Ting Sim Nee	Senior Lecturer
18.	Azida Rashidi	Senior Lecturer
19.	Rosmina Ahmad Bustami	Lecturer / Head of Department
20.	Abd Azim Abdullah	Lecturer
21.	Ahmad Kamal Abdul Aziz	Lecturer
22.	Dygku Salma Awg Ismail	Lecturer
23.	Gaddafi Ismaili	Lecturer
24.	Larry Silas Tirau	Lecturer
25.	Nor Azalina Rosli	Lecturer
26.	Norazlina Bateni	Lecturer



No.	Name	Designation
27.	Norsuzailina Mohamed Sutan	Lecturer
28.	Ron Aldrino Chan @ Ron Buking	Lecturer
29.	Rohaida Affandi	Lecturer
30.	Dr Leonard Lim Lik Pueh	Lecturer
31.	Dr Darrien Mah Yau Seng	Lecturer
32.	Mohamad Raduan Kabit	Lecturer
33.	Fauzan Sahdi	Tutor
34.	<i>Idawati Ismail</i>	Lecturer (On Study Leave)
35.	<i>Charles Bong Hin Joo</i>	Lecturer (On Study Leave)
36.	<i>Zamri Bujang</i>	Lecturer (On Study Leave)
37.	<i>Jethro Henry Adam</i>	Lecturer (On Study Leave)
38.	<i>Raudhah Ahmadi</i>	Tutor (On Study Leave)

### 1.2.2 Department of Electronic Engineering (Telecommunication Programme)

No	Name	Designation
1.	Associate Professor Dr Al-Khalid Hj Othman	Associate Professor/Deputy Dean (Undergraduate and Student Development)
2.	Dr Thelaha Masri	Senior Lecturer / Head of Department
3.	Dr Wan Azlan Wan Zainal Abidin	Senior Lecturer
4.	Dr Hushairi Zen	Senior Lecturer
5.	Dr Kismet Hong Ping	Senior Lecturer
6.	Sakena Abdul Jabar	Senior Lecturer
7.	Kasumawati Lias	Lecturer
8.	Mohd Faizrizwan Mohd Sabri	Lecturer
9.	Ng Liang Yew	Lecturer
10.	Nurdiani Zamhari	Lecturer
11.	Sharifah Masniah Wan Masra	Lecturer
12.	Ir. David Bong Boon Liang	Lecturer

13.	Ade Syaheda Wani Marzuki	Lecturer
14.	Hazrul Mohamed Basri	Lecturer
15.	Martin Anyi	Lecturer
16.	Ngu Sze Song	Lecturer
17.	Dyg Nur Salmi Dharmiza Awg Salleh	Lecturer
18.	Hazmi Hijazi Abdul Halim	Lecturer
19.	Abdul Hafiz Abdul Karim	Lecturer
20.	<i>Norhuzaimin Julai</i>	<i>Senior Lecturer (On Study Leave)</i>
21.	<i>Dayang Azra Awang Mat</i>	<i>Lecturer (On Study Leave)</i>
22.	<i>Rohana Sapawi</i>	<i>Lecturer (On Study Leave)</i>
23.	<i>Azfar Satari Abdullah</i>	<i>Tutor (On Study Leave)</i>

### 1.2.3 Department of Electronic Engineering (Computer Programme)

No	Name	Designation
1.	Associate Professor Dr Mohd Saufee Muhammad	Associate Professor
2.	Dr Tay Kai Meng	Senior Lecturer
3.	Dr Nordiana Rajae	Senior Lecturer
4.	Dr Siti Kudnie Sahari	Senior Lecturer
5.	Maimun Huja Husin	Lecturer
6.	Asrani Lit	Lecturer
7.	<i>Shafrida Sahrani</i>	<i>Lecturer (On Study Leave)</i>
8.	<i>Shamsiah Suhaili</i>	<i>Lecturer (On Study Leave)</i>
9.	<i>Annie Joseph</i>	<i>Lecturer (On Study Leave)</i>
10.	<i>Kuryati Kipli</i>	<i>Lecturer (On Study Leave)</i>
11.	<i>Tengku Mohd Afendi Zulcaffle</i>	<i>Lecturer (On Study Leave)</i>
12.	<i>Kho Lee Chin</i>	<i>Lecturer (On Study Leave)</i>

### 1.2.4 Department of Mechanical & Manufacturing Engineering

No	Name	Designation
1.	Professor Dr Amir Azam Khan	Professor
2.	Professor Dr Sinin bin Hamdan	Professor
3.	Associate Professor Ir. Dr Andrew Ragai Henry Rigit	Associate Professor
4.	Associate Professor Dr M. Shahidul Islam	Associate Professor
5.	Ir. Dr Mohammad Shahril Osman	Senior Lecturer
6.	Dr Abu Saleh Ahmed	Senior Lecturer
7.	Dr Abdullah Yassin	Senior Lecturer / Head of Department
8.	Dr Magdalene Andrew Munot	Senior Lecturer
9.	Dr Syed Tarmizi Syed Shazali	Senior Lecturer
10.	Ervina Junaidi	Senior Lecturer
11.	Dr Mohd Danial Ibrahim	Senior Lecturer
12.	Dr Nicholas Kuan Hoo Tien	Senior Lecturer
13.	Mohamad Iskandar Jobli	Lecturer
14.	Noor Hisyam Noor Mohamed	Lecturer
15.	Shirley Johnathan Tanjong	Lecturer
16.	Siti Nor Ain Musa	Lecturer
17.	Annisa Jamali	Lecturer
18.	Hishammudin Afifi Huspi	Lecturer
19.	Ana Sakura Zainal Abidin	Lecturer
20.	Mohd Azrin Mohd Said	Lecturer
21.	Mohd Fareez Edzuan Abdullah	Lecturer
22.	Ahmad Adzlan Fadzli Khairi	Lecturer
23.	Mohd Syahmi Jamaludin	Lecturer
24.	Muhamad Fadzli Ashari	Lecturer
25.	Noor Aliah Abdul Majid	Lecturer
26.	<i>Shahrol Mohamaddan</i>	<i>Lecturer (On Study Leave)</i>
27.	<i>Rasli Muslimen</i>	<i>Lecturer (On Study Leave)</i>
28.	<i>Abang Mohd Nizam Abang Kamaruddin</i>	Lecturer

		(On Study Leave)
29.	Marini Sawawi	Lecturer (On Study Leave)
30.	Nur Tahirah Razali	Lecturer (On Study Leave)
31.	Mahshuri Yusof	Lecturer (On Study Leave)
32.	Aidil Azli Alias	Lecturer (On Study Leave)
33.	Abg Mohd Aizuddin bin Abg Mohd Mohtar	Tutor (On Study Leave)

### 1.2.5 Department of Chemical Engineering & Energy Sustainability

No	Name	Designation
1.	Associate Professor Dr Mohammad Omar Abdullah @ Mak Khoon Ling	Associate Professor
2.	Dr Rubiyah Baini	Senior Lecturer / Head of Department
3.	Dr. Ivy Tan Ai Wei	Senior Lecturer
4.	Dr Lim Soh Fong	Lecturer
5.	Dr Khairuddin Sanaullah	Lecturer
6.	Shanti Faridah Salleh	Lecturer
7.	Norfamilia Che Mat	Lecturer (On Study Leave)
8.	Nazeri Abdul Rahman	Lecturer
9.	Mohd Farid bin Atan	Lecturer
10.	Dr Md Rezaur Rahman	Lecturer
11.	Nur Syuhada binti Ahmad Zauzi	Lecturer
12.	Ibrahim bin Yakub	Lecturer
13.	Mohamed Afizal bin Mohamed Amin	Lecturer
14.	Khairul Anwar bin Mohd Said	Lecturer

## 1.2.6 Full Record of Academic Staff

Designation	Total
<i>Department of Civil Engineering</i>	
Lecturer	32
On Study Leave – PhD	4
Total	36
Tutor	-
On Study Leave – Master	2
Total	2
TOTAL	38
<i>Department of Electronic Engineering</i>	
Lecturer	25
On Study Leave – PhD	10
Total	35
Tutor	-
On Study Leave – Master	1
Total	1
TOTAL	36
<i>Department of Mechanical &amp; Manufacturing Engineering</i>	
Lecturer	24
On Study Leave – PhD	8
Total	32
Tutor	-
On Study Leave – Master	1
Total	1
TOTAL	33
<i>Department of Mechanical Chemical Engineering &amp; Energy Sustainability</i>	
Lecturer	12
On Study Leave – PhD	1
Total	13
Tutor	-
On Study Leave – Master	1
Total	1
TOTAL	14
TOTAL	122

## 1.3 PROFESSIONAL & ADMINISTRATIVE OFFICER, SUPPORT & TECHNICAL STAFF (NONE ACADEMIC)

### 1.3.1 Professional & Administrative Officer

Designation	Total
Chief Assistant Registrar N48	1
Assistant Registrar N41	1
Information Technology Officer F41	-
Science Officer C41	2
<b>TOTAL</b>	<b>4</b>

### 1.3.2 List of Professional & Administrative Officer

No	Name	Designation
1.	Hadijah bt. Hj Morni	Chief Assistant Registrar
2.	Muhammad Azhan B. Abdullah	Assistant Registrar
3.		Information Technology Officer
4.	Raja Mohd Raffel Zulkifli	Science Officer
5.	Norzilawatil Azwa binti Mohamad	Science Officer

### 1.3.3 Administrative Support Staff

Designation	Total
Assistant Administrative Officer N27	1
Assistant Accountant Officer W27	1
Personal Assistant N27	3
Senior Administrative Staff N22	2
Administrative Staff N17	7
Assistant Accountant W17	2
General Staff N1	1
<b>TOTAL</b>	<b>17</b>

### 1.3.4 List of Administrative Support Staff

No	Name	Designation
1.	Siti Kasmi bt. Iskandar	Assistant Administrative Officer
2.	Norhayati Rosli	Assistant Accountant
3.	Norashikin Abdul Rahman	Dean's Personal Assistant
4.	Noorhaneyza Suhardi Ali Kechik	Deputy Dean's Personal Assistant
5.	Norfarizan Johar	Deputy Dean's Personal Assistant
6.	Rahana Sharkawi	Senior Administrative Staff (Clerical/Operation)
7.	Siti Rogayah Taibi	Senior Administrative Staff (Clerical/Operation)
8.	Rohaida Mohamad	Administrative Staff (Clerical/Operation)
9.	Djennifer ak Franklin	Administrative Staff (Clerical/Operation)
10.	Laura Manggi	Administrative Staff (Clerical/Operation)
11.	Edward Egat Bilong	Administrative Staff (Clerical/Operation)
12.	Rosmanizam Rosli	Administrative Staff (Clerical/Operation)
13.	Siti Farazilla Jakaria	Administrative Staff (Clerical/Operation)
14.	Angela ak Robert Lin	Customer Service Officer
15.	Haliah binti Taip	Assistant Accountant
16.	Rosita Demi ak Jus	Assistant Accountant
17.	Zulkenain Yusuf	General Staff

### 1.3.5 Technical Staff

Designation	Total
Senior Assistant Engineer J36	2
Assistant Officer Information Technology F29	1
Assistant Engineer J29	6
Science Assistant Officer C27	1
Senior Technician J22	3
Technician J17	25
Computer Technician FT17	1
Lab Assistant C17	1
<b>Total</b>	<b>40</b>



On Leave (Gred J36)	1
<b>TOTAL</b>	<b>41</b>

### 1.3.6 List of Technical Staff

#### 1.3.6.1 IT-Unit

No	Name	Designation
1.	Diana Tracy ak Delim	Assistant Officer Information Technology
2.	Mohd Ismail Hairul Abdul Latif	Lab Assistant
3.	Nuramalina Morshidi	Computer Technician

#### 1.3.6.2 Department of Civil Engineering

No	Name	Designation
1.	Hj. Affandi Bin Hj. Othman	Senior Assistant Engineer J36
2.	Noorasmah Binti Mohamad Kassa	Assistant Engineer J29
3.	Rozaini Bin Ahmad	Technician J17
4.	Saiful Bin Edi	Technician J17
5.	Nur Adha Bin Abdul Wahab	Technician J17
6.	Mohd Sopian Bin Mohd Kassim	Technician J17
7.	Nur Shafini Binti Hamdan	Technician J17
8.	Mohamad Ar-Rasyidin Bin Marudin	Technician J17
9.	Mohd Zaidi Bin Serah	Technician J17

#### 1.3.6.3 Department of Electronic Engineering

No	Name	Designation
1.	Wan Mohd. Hamizah Bin Wan Rosli	Senior Assistant Engineer J36 (On Leave)
2.	Nawawi Bin Muhamad	Assistant Engineer J29
3.	Awgku Mohd Azmirul Bin Awgku Omar	Assistant Engineer J29
4.	Dayang Rohhayati Binti Abang Ahmad	Assistant Engineer J29
5.	Johari Bin Abdul Karim	Senior Technician J22
6.	Mahathir Bin Bujang	Technician J17
7.	Iskendasah Bin Minggu	Technician J17
8.	Lawrence Marchwell Anak Sinin	Technician J17

9.	Yusmizan Hanin @ Bunian	Technician J17
10.	Mohamad Tajuddin Bin Unus	Technician J17
11.	Zuraidah Binti Ibrahim	Technician J17
12.	Azizan Bin Segri	Technician J17
13.	Wan Mohd Haekal Bin Wan Herdwat	Technician J17

#### ***1.3.6.4 Department of Mechanical & Manufacturing Engineering***

No	Name	Designation
1.	Zaidi Bin Suhai	Senior Assistant Engineer J36
2.	Ireman Bin Bolhassan	Assistant Engineer J29
3.	Mohd Rhyier Juen Abdullah	Senior Technician J22
4.	Masri Bin Zaini	Senior Technician J22
5.	Hasmiza Binti Kontet	Technician J17
6.	Sabariman Bin Bakar	Technician J17
7.	Azaman Bin Jajol	Technician J17
8.	Siti Fazilah Binti Mohammad	Technician J17
9.	Mohd Fairudi Bin Mohd Jamil	Technician J17

#### ***1.3.6.5 Department of Chemical Engineering & Energy Sustainability***

No	Name	Designation
1.	Zulkifli Bin Ahmat	Assistant Engineer J29
2.	Mohd Zulfika Hazielim b Zakaria	Assistant Science Officer C27
3.	Mohd Hafiz Bin Mafadi	Technician J17
4.	Kamri Bin Mohamad	Technician J17
5.	Mohd Amirul Nizam Bin Amit	Technician J17
6.	Airul Azhar Bin Jitai	Technician J17
7.	Mohamad Ruzaini Bin Razak	Technician J17

## 1.4 NEW APPOINTMENT, NEW RECRUITMENT, PROMOTED, RETIRED/RESIGN

### 1.4.1 New Appointment

#### 1.4.1.1 Dean( Pre- University Studies)

Prof Dr Sinin Hamdan

### 1.4.2 Promoted

#### 1.4.2.1 Chief Assistant Registrar

Hadijah Hj Morni

#### 1.4.2.2 Senior Lecturer DS52

Dr Norazzlina M. Sa'don

Dr Abdul Razak Abdul Karim

Dr Shanti Faridah Salleh

Dr Siti Kudnie Sahari

#### 1.4.2.3 Technician J22

Masri bin Zaini

Johari Abdul Karim

### 1.4.3 New Recruitment

#### 1.4.3.1 Lecturer

##### 1.4.3.1.1 Department of Civil Engineering

No	Name	Designation
1.	Prof Dr Md Abdul Mannan	Professor
2.	Associate Professor Dr Nasser Rostam Afshar	Associate Professor
3.	Associate Professor Dr Resdiansyah Mansyur	Associate Professor

##### 1.4.3.1.2 Department of Electronic Engineering

No	Name	Designation
1.	Dr Lakshmanan a/l Gurusamy	Lecturer

***1.4.3.1.3 Department of Chemical Engineering & Energy Sustainability***

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No	Name	Designation
1.	Prof Dr Selahattin Gultekin	Professor

***1.4.3.2 Professional & Administrative Officer***

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No	Name	Designation
1.	Diana Tracy ak Delim	Assistant Officer Information Technology

***1.4.3.4 Retired / Resign***

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No	Name	Designation
1.	-	-

## 1.5 STAFF ON STUDY LEAVE / SABBATICAL / ON LEAVE WITHOUT SALARY / SECONDMENT

### 1.5.1 Secondment

No	Name	Designation
1.	Dr Siti Halipah bt Ibrahim ( <i>KPT</i> )	Lecturer

### 1.5.2 On Study Leave

No	Name	Designation
1.	Norfamila Che Mat	Lecturer
2.	Nurdiani Zamhari	Lecturer
3.	Abang Mohd Nizam Abang Kamaruddin	Lecturer
4.	Shirley Johnathan Tanjong	Lecturer
5.	Noor Hisyam Noor Mohamad	Lecturer

## **STAFF REPORT DUTY AFTER STUDY LEAVE**

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1. Mohd Azrin Mohd Said
2. Mohamed Afizal bin Mohamed Amin
3. Ibrahim bin Yakub
4. Khairul Anwar bin Mohd Said
5. Hishamuddin Afifi Huspi
6. Dyg Nur Salmi Dharmiza Awg Salleh
7. Hazmi Hijazi Abdul Halim
8. Mohd Fareez Edzuan Abdullah
9. Ahmad Adzlan Fadzli Khairi
10. Mohd Syahmi Jamaludin
11. Abdul Hafiz Abdul Karim
12. Muhamad Fadzli Ashari
13. Noor Aliah Abdul Majid
14. Mohamad Raduan Kabit
15. Fauzan Sahdi
16. Ana Sakura Zainal Abidin
17. Dr Siti Kudnie Sahari

## 2 NETWORKING

No.	MoU/MoA Signed	Personal Involved	Activities	Date
1.	<i>Memorandum of Understanding between Universiti Malaysia Sarawak and Yamaguchi University of Japan and between Universiti Malaysia Sarawak and Tokuyama Corporation, Japan</i>	<ol style="list-style-type: none"> <li>1. Profesor Datuk Dr Khairuddin Ab Hamid, Naib Canselor UNIMAS,</li> <li>2. Profesor Dr Hiroshi Matsuda, Naib Presiden Yamaguchi University,</li> <li>3. Mr Seiichi Shiraga, Penasihat Tokuyama Corporation, Jepun.</li> <li>4. Datu Haji Len Talif Salleh, Menteri Muda Perancangan Sumber dan Alam Sekitar &amp; Menteri Muda di Pejabat Ketua Menteri (Promosi Pendidikan Teknikal)</li> </ol>	<i>Memorandum of Understanding between Universiti Malaysia Sarawak and Yamaguchi University of Japan and between Universiti Malaysia Sarawak and Tokuyama Corporation, Japan</i>	29 Mac 2012, University House, UNIMAS



## 3 STUDENT ENROLMENT

### 3.1 UNDERGRADUATE

#### 3.1.1 Enrolment

Engineering Programmes	Intake	Enrolment 2012
Civil( <i>PKS</i> )	127	477
Electronic & Computer( <i>PKEK</i> )	28	127
Electronic & Telecommunication( <i>PKET</i> )	56	180
Mechanical & Manufacturing( <i>PKMP</i> )	109	349
Chemical( <i>PKK</i> )	29	83
<b>TOTAL</b>	<b>349</b>	<b>1216</b>

#### 3.1.2 Undergraduate by Year

Year	Total Student				
	PKET	PKEK	PKS	PKMP	PKK
Year 1	57	50	115	107	23
Year 2	57	26	123	102	29
Year 3	31	37	115	68	25
Year 4	39	26	106	83	28
Year 5	1		18	11	
Year 6	2	2	2	2	
Year 7			2		
<b>TOTAL</b>	<b>187</b>	<b>141</b>	<b>481</b>	<b>373</b>	<b>105</b>

Note: Total number of undergraduate students **1287**

## 3.2 TEACHING AND LEARNING (T&L) PERFORMANCE: ACADEMIC STAFF

(Semester 2 2011/2012)

	Electronic	Mechanical	Civil	Chemical	Faculty Courses
<b>Sangat Cemerlang</b>	4	7	2	6	3
<b>Cemerlang</b>	7	5	4	14	3
<b>Sangat Baik</b>	-	-	1	1	2
<b>Baik</b>	-	-	-	-	-
<b>Sedehana</b>	-	-	-	-	-
<b>Total</b>	11	12	7	21	8

Semester 1 2012/2013

	Electronic	Mechanical	Civil	Chemical	Faculty Courses
<b>Sangat Cemerlang</b>	3	2	2	12	4
<b>Cemerlang</b>	14	15	19	15	10
<b>Sangat Baik</b>	2	3	4	6	4
<b>Baik</b>	1	-	1	1	-
<b>Sedehana</b>	-	-	-	-	1
<b>Total</b>	20	20	26	34	19

## 4 PROGRAMMES OFFERED

### 4.1 PROGRAMMES OFFERED

Programmes	Year of Established	Board of Engineers Malaysia Accreditation
<b>BEng (Hons) Civil Engineering</b>	1994	2011-2013
<b>BEng (Hons) Electronic &amp; Telecommunication Engineering</b>	1994	2000-2004 2011-2013
<b>BEng (Hons) Mechanical &amp; Manufacturing Engineering</b>	1994	2000-2004 2011-2013
<b>BEng (Hons) Electronic &amp; Computer Engineering</b>	2000	2000-2004 2011-2013
<b>BEng (Hons) Chemical Engineering</b>	2009	

## 4.2 ACCREDITATION CERTIFICATES

### 4.2.1 Bachelor of Engineering with Honours (Civil Engineering)

No. Sijil: 477  
Ruj. EAC: BEM/005/0100/M (005)

  
**LEMBAGA JURUTERA MALAYSIA**  
*(Penandatanganan Penuh Washington Accord mulai 18 Jun 2009)*  
**SIJIL AKREDITASI**  
DENGAN INI MEMPERAKUKAN BAHAWA KURSUS PENGAJIAN  
**BACHELOR OF ENGINEERING WITH HONOURS**  
**(CIVIL ENGINEERING)**  
**(4-Year Programme after STPM)**  
YANG DIKENDALIKAN OLEH:  
**UNIVERSITI MALAYSIA SARAWAK**  
  
TELAH MENDAPAT PENGIKTIRAFAN RASMI BAHAWA KELAYAKAN  
AKADEMIK YANG DIANUGERAHKAN ADALAH SELARAS DENGAN  
STANDARD DAN KUALITI YANG TELAH DITETAPKAN OLEH  
LEMBAGA JURUTERA MALAYSIA  
**PERAKUAN BAGI GRADUAT**  
**TAHUN 2011 HINGGA 2013 SAHAJA**



  
.....  
**DATO' SRI Ir. Dr. JUDIN BIN ABDUL KARIM**  
Yang DiPertua

  
.....  
**Ir. HIZAMUL-DIN AB. RAHMAN**  
Pendaftar

*Penganugerahan Perakuan Akreditasi ini tertakluk kepada peraturan-peraturan dan syarat-syarat yang dinyatakan di sebelah.*

Tarikh Perakuan Dikeluarkan : 14.02.2011

#### 4.2.2 Bachelor of Engineering with Honours (Electronic & Telecommunication Engineering)

No. Sijil: 479  
Ruj. EAC: BEM/005/0441/M (006)

  
**LEMBAGA JURUTERA MALAYSIA**  
*(Penandatanganan Penuh Washington Accord mulai 18 Jun 2009)*  
**SIJIL AKREDITASI**  
DENGAN INI MEMPERAKUKAN BAHAWA KURSUS PENGAJIAN  
**BACHELOR OF ENGINEERING WITH HONOURS**  
**(ELECTRONICS AND TELECOMMUNICATION ENGINEERING)**  
*(4-Year Programme after STPM)*  
YANG DIKENDALIKAN OLEH:  
  
**UNIVERSITI MALAYSIA SARAWAK**  
  
TELAH MENDAPAT PENGIKTIRAFAN RASMI BAHAWA KELAYAKAN  
AKADEMIK YANG DIANUGERAHKAN ADALAH SELARAS DENGAN  
STANDARD DAN KUALITI YANG TELAH DITETAPKAN OLEH  
LEMBAGA JURUTERA MALAYSIA  
  
**PERAKUAN BAGI GRADUAT**  
**TAHUN 2011 HINGGA 2013 SAHAJA**



  
.....  
**DATO' SRI Ir. Dr. JUDIN BIN ABDUL KARIM**  
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**Ir. HIZAMUL-DIN AB. RAHMAN**  
Pendaftar

*Penganugerahan Perakuan Akreditasi ini tertakluk kepada peraturan-peraturan dan syarat-syarat yang dinyatakan di sebelah.*

Tarikh Perakuan Dikeluarkan : 14.02.2011

#### 4.2.3 Bachelor of Engineering with Honours (Electronic & Computer Engineering)

No. Sijil: 478  
Ruj. EAC: BEM/005/0460/M (003)

  
**LEMBAGA JURUTERA MALAYSIA**  
*(Penandatanganan Penuh Washington Accord mulai 18 Jun 2009)*  
**SIJIL AKREDITASI**  
DENGAN INI MEMPERAKUKAN BAHAWA KURSUS PENGAJIAN  
**BACHELOR OF ENGINEERING WITH HONOURS**  
**(ELECTRONICS AND COMPUTER ENGINEERING)**  
*(4-Year Programme after STPM)*  
YANG DIKENDALIKAN OLEH:  
  
**UNIVERSITI MALAYSIA SARAWAK**  
  
TELAH MENDAPAT PENGIKTIRAFAN RASMI BAHAWA KELAYAKAN  
AKADEMIK YANG DIANUGERAHKAN ADALAH SELARAS DENGAN  
STANDARD DAN KUALITI YANG TELAH DITETAPKAN OLEH  
LEMBAGA JURUTERA MALAYSIA  
  
**PERAKUAN BAGI GRADUAT**  
**TAHUN 2011 HINGGA 2013 SAHAJA**



  
.....  
**DATO' SRI Ir. Dr. JUDIN BIN ABDUL KARIM**  
Yang DiPertua  
  
  
.....  
**Ir. HIZAMUL-DIN AB. RAHMAN**  
Pendaftar

*Penganugerahan Perakuan Akreditasi ini tertakluk kepada peraturan-peraturan dan syarat-syarat yang dinyatakan di sebelah.*

Tarikh Perakuan Dikeluarkan : 14.02.2011

#### 4.2.4 Bachelor of Engineering with Honours (Mechanical & Manufacturing Engineering)

No. Sijil: 480  
Ruj. EAC: BEM/005/0630/M (004)

  
**LEMBAGA JURUTERA MALAYSIA**  
*(Penandatanganan Penuh Washington Accord mulai 18 Jun 2009)*  
**SIJIL AKREDITASI**  
DENGAN INI MEMPERAKUKAN BAHAWA KURSUS PENGAJIAN  
**BACHELOR OF ENGINEERING WITH HONOURS**  
**(MECHANICAL & MANUFACTURING ENGINEERING)**  
*(4-Year Programme after STPM)*  
YANG DIKENDALIKAN OLEH:  
**UNIVERSITI MALAYSIA SARAWAK**  
TELAH MENDAPAT PENGIKTIRAFAN RASMI BAHAWA KELAYAKAN  
AKADEMIK YANG DIANUGERAHKAN ADALAH SELARAS DENGAN  
STANDARD DAN KUALITI YANG TELAH DITETAPKAN OLEH  
LEMBAGA JURUTERA MALAYSIA  
PERAKUAN BAGI GRADUAT  
TAHUN 2011 HINGGA 2013 SAHAJA



  
.....  
**DATO' SRI Ir. Dr. JUDIN BIN ABDUL KARIM**  
Yang DiPertua  
  
  
.....  
**Ir. HIZAMUL-DIN AB. RAHMAN**  
Pendaftar

*Penganugerahan Perakuan Akreditasi ini tertakluk kepada peraturan-peraturan dan syarat-syarat yang dinyatakan di sebelah.*

Tarikh Perakuan Dikeluarkan : 14.02.2011



## 5 LIST OF BEST STUDENT IN 2012 CONVOCATION

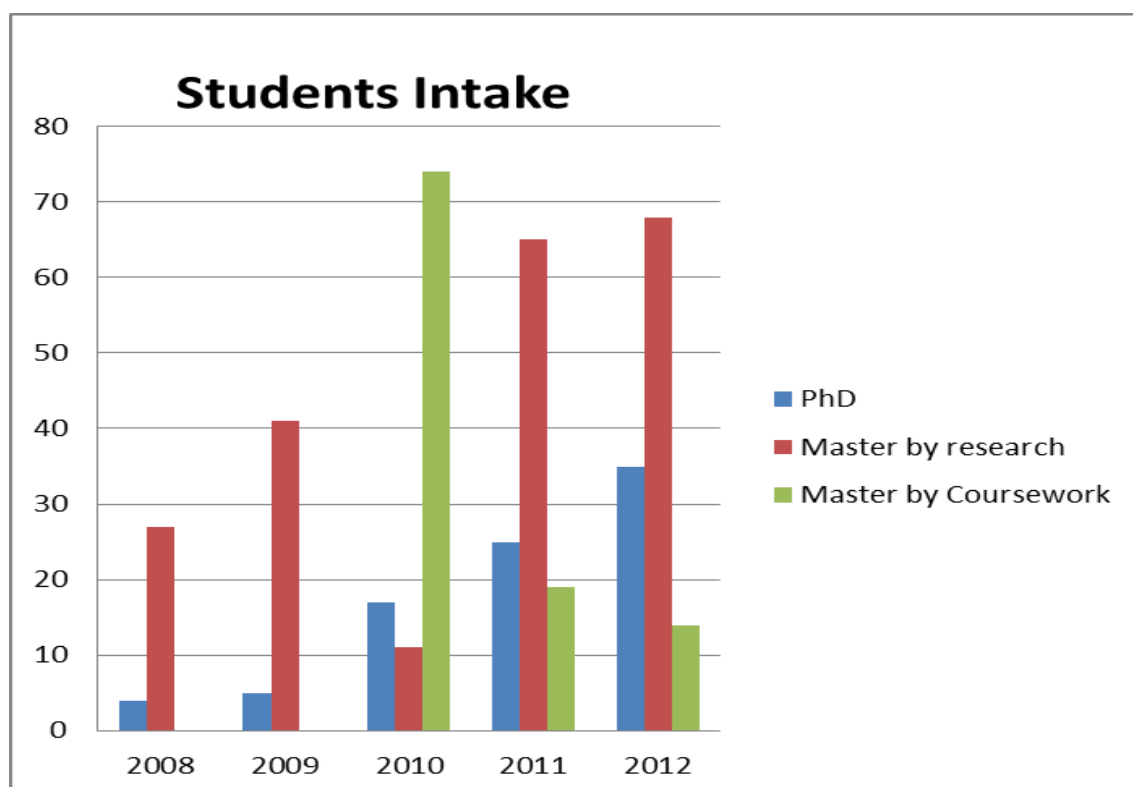
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### 5.1 ANUGERAH KHAS SENAT

No.	Name	Programme	Student Number
1.	Nicholas Lim Woon Leong	Civil	21704
2.	Thong Chia Chia	Civil	22536

## 6 POSTGRADUATE

Students Intake			
	PhD	Master by Research	Master by Coursework
2008	4	27	
2009	5	41	
2010	17	11	74
2011	25	65	19
2012	35	68	14



	Name	Title	Research Area	Graduate Level	Year of Registration
1.	Lim Su Boon	A Novel Separator for Palm Oil Kernel Shell Cracked Mixture	Civil Engineering	Master	20-Okt-06
2.	Muhammad Abdul Syahid bin Saari	The Roles of Constituent in Achieving Self-Compactability Criteria for Self-Compacting Concrete	Civil Engineering	Master	25-Jan-07
3.	Nur Afnie Faryisha binti Mohamad Hamsah	Design of Long Storage for Excess Water and Development of Hydrological Framework in Sungai Sarawak Kanan Sub-Basin	Civil Engineering	Master	1/17/2008
4.	Joan Dolly Chung Zie Wei	Trickling Filter for Domestic Wastewaters	Civil Engineering	Doctor of Philosophy	22-Mei-08
5.	Tay Chiaw Teck	Analyzing Two-Way Two-Lane Highways Based on Malaysian Road Condition	Civil Engineering	Master	12-Mei-08
6.	Zamhuri Drahman	Malaysia Airports Pavement Management System	Civil Engineering	Master	7/14/2008
7.	Ting Huong Siong	Characterization of Municipal Solid Waste Generated from Kuching, Sarawak	Civil Engineering	Master	9/24/2008
8.	Oon Yin Wee	A Novel Oil and Grease (O&G) Removal Apparatus with Curved Coalescence Frustums and Triangular Surface Restraints	Civil Engineering	Doctor of Philosophy	7/8/2009
9.	Chong Kok Hing	Biomass-to-Heat Energy Converter for Drying Purpose in the Production of Paper Egg Trays	Civil Engineering	Doctor of Philosophy	1/6/2010
10.	Quay Wei Kwang	Amelioration of Occupational Safety and Health (OSH) Practices in Malaysia	Civil Engineering	Master	2/24/2010
11.	Kueh Kim Meow	Improving the System and Guideline for Value Management Practice using the Value Practice using the Value	Civil Engineering	Master	1/15/2010

		Engineering Processes for Construction Management Projects in Malaysia			
12.	Lai Sze Ying	A Critical Analysis of Construction Contract Form - CIDB Standard Form of Contract for Building Work 2000	Civil Engineering	Master	2/24/2010
13.	Norsuzailina Mohamed Sutan	Effects of Modified Cement Systems on Efflorescence	Civil Engineering	Doctor of Philosophy	2/3/2010
14.	Freddy Kho Wee Liang	Carbon Monoxide Levels Along Roadway	Civil Engineering	Doctor of Philosophy	2-Ogos-10
15.	Wennie Blantaw anak Enggu	Investigating the Performance of Signalized Intersection Along an Arterial Road in Sibu	Civil Engineering	Master	2-Ogos-10
16.	Bong Chien Chai	Turbine Float System and Achorage Design	Civil Engineering	Master	24-Ogos-10
17.	Franklin Simon	The Use of Fuzzy Inference System for Risk Assessment and Decision Making for Sarawak River Transport	Civil Engineering	Master	23-Ogos-10
18.	Arkin Kong Chung King	An In Depth Study on Supply Chain Management (SCM) in the Construction Industry in Sarawak	Civil Engineering	Doctor of Philosophy	1/18/2011
19.	Lau See Hung	Development of a Data Driven Fuzzy System for Evaluating Ultimate Tendon Stress and Flexural Strength of Externally Prestressed Beams	Civil Engineering	Doctor of Philosophy	2/14/2011
20.	Chiew Fei Ha	Optimization of Mix Proportion for High Strength Concrete Based on Harmony Search	Civil Engineering	Doctor of Philosophy	9/5/2011
21.	Sim Yeong Liang	Development of Construction Quality Assessment Model that Applicable to Malaysian Construction Industry	Civil Engineering	Doctor of Philosophy	9/22/2011
22.	Aliyu Haliru Hong	Wastewater Reuse and Its Health Implication on Irrigated Vegetable	Civil Engineering	Doctor of Philosophy	9/28/2011

		at Lake Geriyo Irrigation Project, Yola, Adomawa Estate, Nigeria			
23.	Mohammad Fadzli bin Jawawi	Stabilization of Peat Soil Using Fly Ash and Sago Ash at Kampung Sau, Mukah	Civil Engineering	Master	6-Okt-11
24.	Lee Lin Jye	Analyse the Lateral Movement on Soft Riverbank	Civil Engineering	Doctor of Philosophy	3/16/2012
25.	Jane Lau Sze Sze	Investigating the Impact of using Malaysian Highway Capacity Manual for Traffic Impact Assessment Purpose	Civil Engineering	Master	3/15/2012
26.	Lai Phui Hua	A Proposed Design Procedure for Replacement of Saturated Peat Soil with Foamed Concrete	Civil Engineering	Doctor of Philosophy	6/19/2012
27.	Eric Yong Pik Kwong	The Engineering Properties of Concrete Containing Waste From the Oil Palm Industry	Civil Engineering	Master	11/6/2012
28.	Thong Chia Chia	Structural and Durability Properties of Concrete with Polyvinyl Alcohol (Pva) Coated Oil Palm Shell (Ops) as Lighweight Aggregates Under Different Curing Conditions	Civil Engineering	Master	11/6/2012
29.	Nafisa Tamanna	Parametric Study on Utilizing Waste Glass as a Finely Ground Mineral Additive (FGMA) in a Modified Multi-Component Binder (MMCB) Durable Eco-Friendly Cement System	Civil Engineering	Master	4-Dis 2012
30.	Sharifah Fatimah Tuanku Abdullah	Fiber to the Home Based Over WDM for Dynamic Bandwidth in The Malaysian Environment	Electronic Engineering	Master	1/8/2008
31.	Patrick Teo Tien	Analysis and Modeling of Technical Losses in Distribution Networks	Electronic Engineering	Master	7/9/2009

32.	Guo Junwei	Development of Efficient and Accurate Model for High Voltage Mosfet Transistor	Electronic Engineering	Master	14-Ogos-09
33.	Gabriel anak Jatu	Design and Implementation of Micro-Hydropower System for a Stand-Alone Rural Village Electrification	Electronic Engineering	Master	25-Ogos-09
34.	Saleem Ahmed Saleem Jayousi	Computerized Maintenance for Electronic Instrument	Electronic Engineering	Doctor of Philosophy	9/1/2009
35.	Jee Tze Ling	Development of an Intelligent Failure Analysis (Software) Tool with Case Studies: Application to Telecommunication Industry & Structural Engineering	Electronic Engineering	Master	1/5/2010
36.	Abdul Qayoom Jakhrani	Design and Development of Solar Wind Hybrid System	Electronic Engineering	Doctor of Philosophy	1/15/2010
37.	Azzyati binti Basrol	L-Band Mobile Satellite Signal Performance Using Handheld GPS Receiver on Building Effects	Electronic Engineering	Master	7/7/2010
38.	Wong Teck Kwong	Underwater Wireless Protocol	Electronic Engineering	Master	23-Ogos-10
39.	Liew Hon Choi	Turbine Smart Sensor Design for Monitoring Purpose	Electronic Engineering	Master	24-Ogos-10
40.	Ashriff Abdul Jalil	Design of River Flow Water Energy Data Logger for the Measurement of Kinetic Energy from River Stream (Wanergy Meter)	Electronic Engineering	Master	11/4/2010
41.	Michelle Lu	Optimal Design of Under-Frequency Load Shedding (UFLS) Scheme Using Evolutionary Programming Technique	Electronic Engineering	Master	7/30/2010
42.	Lee Tain Sang	Development of Small Wind Energy System for Rural Electrification in	Electronic Engineering	Master	1/10/2011

Sarawak					
43.	Elizabeth Kho Ching Tee	Design of Super Junction Devices	Electronic Engineering	Doctor of Philosophy	2/10/2011
44.	Ting Kung Chuang	Optimization of a Hybrid Energy System with Artificial Intelligent Technique	Electronic Engineering	Doctor of Philosophy	3-Okt-11
45.	Chai Nee Ping	Real-Time Heavy Vehicle Monitoring using GPS and GIS Technology	Electronic Engineering	Doctor of Philosophy	9/28/2011
46.	John Tin Yuan En	Adaptive Solar Energy System for Low-Cost Home Cooling System	Electronic Engineering	Doctor of Philosophy	9/28/2011
47.	Ng Liang Yew	Tracking with Non-Line-of-Sight (Nlos) Mitigation in Indoor Environment	Electronic Engineering	Doctor of Philosophy	9/23/2011
48.	Jong Chian Haur	Development of a Single-Input-Rule-Module Fuzzy Inference System-Based Failures Prioritization Technique for Edible-Bird's Nest Processing	Electronic Engineering	Master	4-Okt-11
49.	Marta a/p Elizabeth	Time-Domain Inverse Scattering Technique for Early Breast Cancer Detection	Electronic Engineering	Master	11/22/2011
50.	Chai Kok Chin	Development of Type 2 Fuzzy Logic Based Decision Making Support Model/Software Prototype for the Application in Local (Sarawak) Industries	Electronic Engineering	Master	11/25/2011
51.	Chang Wui Lee	Development of an Evolving Fuzzy Rule-Based System for Object Detection in Video	Electronic Engineering	Master	11/25/2011
52.	Puteh Munawwarah Ibrahim	Reconstruction of Breast Composition Utilizing Filtered Forward-Backward Time-Stepping (FBTS) Inverse Scattering Technique	Electronic Engineering	Master	4/4/2012
53.	Faisal Rehman	Integration of Power System Through Smart Grid	Electronic Engineering	Master	6/13/2012



54.	Kang Chia Yang	Cause and Effect of Low Power Quality in Homes and Industries in Sarawak	Electronic Engineering	Master	9/14/2012
55.	Yong Guang	Filtered Forward-Backward Time-Stepping Inverse Scattering Technique for Buried Object Detection and Shape Reconstruction	Electronic Engineering	Doctor of Philosophy	2-Okt-12
56.	Ng Shi Wei	Microwave Imaging Reconstruction of Breast Composition Utilizing Filtered Forward-Backward Time-Stepping Technique for Breast Cancer Detection	Electronic Engineering	Doctor of Philosophy	2-Okt-12
57.	Andrew Sia Siew Chie	Detection of Buried Objects in Dispersive Medium Utilizing Filtered Forward-Backward Time-Stepping Inverse Scattering Techniques	Electronic Engineering	Master	4-Okt-12
58.	Therry Lee Zee	Multimodal Biometric Recognition Based on Bil-Plane Extraction	Electronic Engineering	Master	11/8/2012
59.	Nurliyana Hussaini	Performance Enhancement of Microstrip Antennas Using Electromagnetic Band Gap Structures	Electronic Engineering	Master	11/14/2012
60.	Pang Lie Meng	A New Type-2 Single Input Rule Modules (SIRMs) Connected Fuzzy Interference System-Based Group Decision Support and Assessment System with Engineering Applications	Electronic Engineering	Doctor of Philosophy	26 – Dis 2012
61.	Jamuri Zen	Risk and Reliability of Ammonia Storage Tanks Focusing on Ammonia Sec	Mechanical & Manufacturing Engineering	Master	13-Mac-04
62.	Peter Yek Nai Yuh	Computer Simulation Analysis for Statics Stability of Airboat in Sarawak Riverine Application	Mechanical & Manufacturing Engineering	Master	1/13/2006

63.	Voon Chun Yung	The Study of a Combined Solar Hydro Energy System for Powering e-Bario ICT Centre	Mechanical & Manufacturing Engineering	Master	1-Feb-07
64.	Cheong Yaw Hong	Harnessing Tidal Energy for Electricity Generation at Sejingkat, Kuching, Sarawak	Mechanical & Manufacturing Engineering	Master	23-Mac-09
65.	Mohd Narzam bin Jaafar	Design, Materials Selection, Development and Specific Characteristics Study of a New Cooling Water Power Generator	Mechanical & Manufacturing Engineering	Master	7/15/2009
66.	Tian Chuan Min	Custom Design, Development and Techno-Economical Study of a Small Cooling Water Power Generator for Sejingkat Power Corporate Sdn. Bhd	Mechanical & Manufacturing Engineering	Master	7/20/2009
67.	Ghazali Tambi	Axiomatic Design for Improvement of UNIMAS's District Cooling System	Mechanical & Manufacturing Engineering	Doctor of Philosophy	1/5/2010
68.	Jong Yang	Biodiesel Production from Waste Fat and Oil as a Renewable Energy Source	Mechanical & Manufacturing Engineering	Master	1/8/2010
69.	Md Nurul Hoque	Studies on Polypropylene Composite Reinforced with Chemically Modified Sawdust	Mechanical & Manufacturing Engineering	Doctor of Philosophy	7/14/2011
70.	Chua Swee Ning	Ion-Drag Electrohydrodynamic Micropump for Drug Delivery of Microfluidic Application	Mechanical & Manufacturing Engineering	Master	2-Ogos-10
71.	Akmal Hisyam Raduan @ Ruduan	Mechanical Transmission System for Sustainable Instream Horizontal Micro Hydro Turbine Generator	Mechanical & Manufacturing Engineering	Master	9/6/2010
72.	Hafiza Ramji	Turbine Frame Design for Sustainable Instream Horizontal Micro Hydro Turbine	Mechanical & Manufacturing Engineering	Master	9/13/2010

Generator					
73.	Ahmad Shahir Jamaluddin	FEM Model Development and Application for High Speed Machining	Mechanical & Manufacturing Engineering	Master	9/13/2010
74.	Malisa Sahari	Mechanical Properties of Chemically Modified Bamboo / Nanoclay / Polypropylene Nano Composites	Mechanical & Manufacturing Engineering	Master	26-Okt-10
75.	Khairul Amri Sayuti	Potential Stream Kinetic Energy Mapping in Kapit, Sarawak for Implementation of Sustainable in Stream Horizontal Micro Hydro Turbine	Mechanical & Manufacturing Engineering	Master	11/3/2010
76.	Voon Choon Siong	Harnessing Vibration into Electrical Energy	Mechanical & Manufacturing Engineering	Master	12/14/2010
77.	Siti Mas Arena Liakbar	Optimization of Energy Transmission System on In-Stream Micro Hydro Turbine	Mechanical & Manufacturing Engineering	Master	1/26/2011
78.	Tracy anak Dickie	Fabrication and Mechanical Measurement of Nipah Palm Fiber Material	Mechanical & Manufacturing Engineering	Doctor of Philosophy	2/1/2011
79.	Harunal Rejan Ramji	Study of Heat-Driven Adsorption Air-Conditioning System Using Biomass-Based Activated Carbon-Mehanol for Vehicle Application	Mechanical & Manufacturing Engineering	Master	11/1/2011
80.	Alan Bong Kim Ming	Evaluation of a Modified Conversion of a Pump as Turbine	Mechanical & Manufacturing Engineering	Master	11/18/2011
81.	Teo Chong Yaw	Temperature Measurement of High Speed Milling	Mechanical & Manufacturing Engineering	Master	11/22/2011
82.	Christopher Jantai anak Boniface	A Radiant Times Series Method for Cooling Load Calculation for Dewan Tunku Abdul Rahman (DeTAR PUTRA UNIMAS)	Mechanical & Manufacturing Engineering	Master	4/10/2012
83.	Joseline Adong anak Francis	Development of Particle Board from Tropical Fast Growing Species	Mechanical & Manufacturing Engineering	Master	16-Apr-12

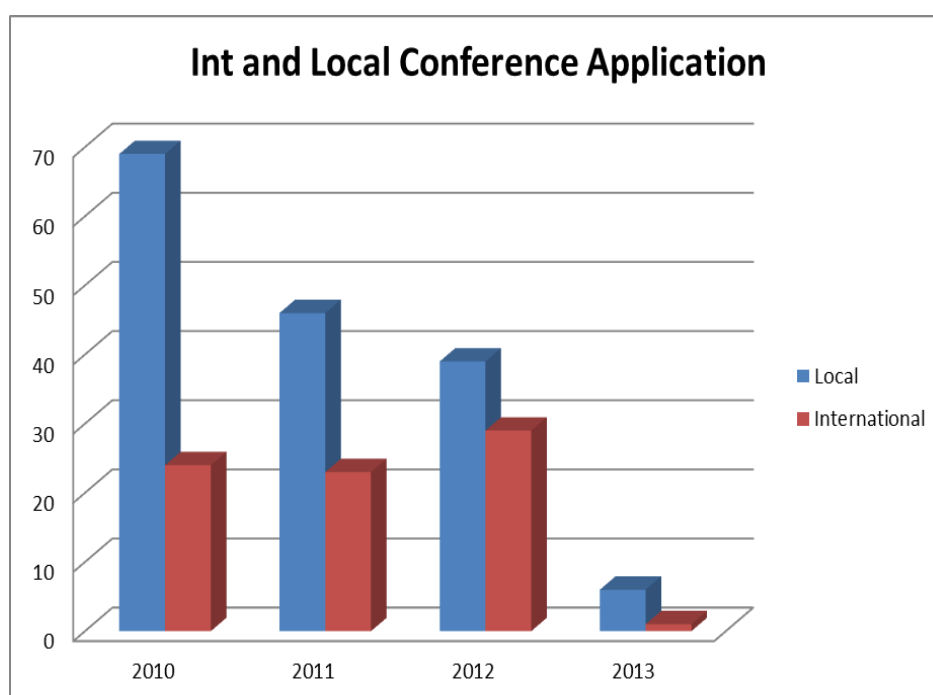
		for Acoustic Panel			
84.	Patrick Low Tiong Kie	A Thermal Conversion System for Converting Oil Palm Fronds into Biochar for Oil Palm Plantation	Mechanical & Manufacturing Engineering	Doctor of Philosophy	4/25/2012
85.	Elammaran Jayamani	Absorption and Impedance Measurements of Lignocellulosic Particle Composite for Sound Absorbing Wooden Construction Materials	Mechanical & Manufacturing Engineering	Doctor of Philosophy	31-Mei-12
86.	Kiew Kwong Siong	An Investigation of Dielectrical and Thermal Properties of Chicken Feather Unsaturated Polyester Composites	Mechanical & Manufacturing Engineering	Master	7/10/2012
87.	Taharah binti Edin	Biodiesel Production from Jatropha Oil as an Alternative Fuel for Diesel Engine	Mechanical & Manufacturing Engineering	Master	11/12/2012
88.	Md Faruk Hossen	Crystal Structures and Growth Mechanisms of Nanoparticles Prepared by Polyol Method with Different Couples of Metal	Mechanical & Manufacturing Engineering	Doctor of Philosophy	11/14/2012
89.	Hazel Maybelline anak Johan	Effects of Automated Manufacturing System Toward Workforce's Behaviours	Mechanical & Manufacturing Engineering	Master	11/16/2012
90.	Ting Ching Hung	An Approach with Operation Research for Developing Predictive Model for Industrial Preventive Maintenance	Mechanical & Manufacturing Engineering	Master	26 Nov 2012
91.	Dayang Salyani Abang Mahmod	Low Temperature Solid Oxide Fuel Cells: Synthesis, Assembly and Testing at Temperatures Below 600K	Mechanical & Manufacturing Engineering	Doctor of Philosophy	20 Nov 2012
92.	Yiong Ngee Fei	The Effect of Particle / Fibre Addition to Polymer Matrix Composites: Study of Vibration and Acoustic Properties	Mechanical & Manufacturing Engineering	Master	7 Dec 2012

<b>93.</b>	Tracy Yeo Hui Cheng	Formulation of Novel Adsorbent for Application in Chemical Driven Air-Conditioning System Powered by Waste Heat	Chemical Engineering & Energy Sustainability	Master	27-Mar-09
<b>94.</b>	Nazeri Abdul Rahman	Sustainable Utilisation of Pelletised Plantation Biomass Wastes in Sarawak for Power Generation	Chemical Engineering & Energy Sustainability	Doctor of Philosophy	11/9/2010
<b>95.</b>	Jong Yik Jia	Energy Performance Study of A Chip Fryer	Chemical Engineering & Energy Sustainability	Master	9/6/2011
<b>96.</b>	Noorliana Anis Izzati binti Zakaria	Biodiesel Production from Conventional and Microwave Assisted KOH Catalyzed Transesterification of Waste Frying Oils	Chemical Engineering & Energy Sustainability	Master	19 Dec 2012

## 7 CONFERENCE / SEMINAR PRESENTED BY LECTURER

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Conference Attended		
	Local	International
2010	69	24
2011	46	23
2012	40	22
2013	6	1



## 7.1 LIST OF NATIONAL/LOCAL CONFERENCE / SEMINAR PRESENTED BY LECTURER

No.	Name	Conference	Place	Date
1.	Dr Leonard Lim Lik Pueh	The 3rd Workshop on The Art of Writing Publishable Scientific Manuscript and Beyond	Hotel Eastin, Pulau Pinang	27-28 Februari 2012
2.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	International Conference on Arts, Social Sciences and Technology 2012 (ICAST 2012)	The Park Royal, Pulau Pinang	3-5 Mac 2012
3.	Dr Kismet anak Hong Ping	31st Progress in Electromagnetics Research Symposium (PIERS 2012 in Kuala Lumpur)	Sunway Resort Hotel & Spa, Kuala Lumpur	27-30 Mac 2012
4.	Ir David Bong Boon Liang	2012 International Conference on Digital Image Processing (ICDIP 2012)	Kuala Lumpur	7-8 April 2012
5.	Ir David Bong Boon Liang	2nd Regional Conference on Applied and Engineering Mathematics 2012	Pulau Pinang	30-31 Mei 2012
6.	Norsuzailina Mohamed Sutan	The 11th International Conference on Concrete Engineering and Technology 2012	Putrajaya, Malaysia	12-13 Jun 2012
7.	Dr Md Rezaur Rahman	2nd International Conference on Process Engineering and Advanced Materials (ICPEAM 2012)	Kuala Lumpur Convention Centre	12-14 Jun 2012
8.	Hazrul Mohamed Basri	2012 IEEE International Power Engineering and Optimization Conference (PEOCO 2012)	Melaka	6-7 Jun 2012
9.	Prof Dr Sinin Hamdan	International Conference in Advances of Manufacturing and Materials Engineering (ICAMME 2012)	Kuala Lumpur	3-5 Julai 2012
10.	Dr Darrien Mah Yau Seng	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
11.	Prof Dr Kaniraj Shenbaga	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
12.	Rohaida binti Affandi	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards	Hotel Pullman, Kuching	10-12 Julai 2012

		Change - Empowering Green Solutions		
13.	Prof Madya Dr Nasser Rostam Afshar	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
14.	Prof Madya Dr M. Shahidul Islam	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
15.	Dr Abu Saleh Ahmed	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
16.	Dr Delsye Teo Ching Lee	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
17.	Norsuzailina Mohamed Sutan	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
18.	Dayangku Salma Awang Ismail	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
19.	Rosmina Ahmad Bustami	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
20.	Mohd Farid Atan	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
21.	Dr Mohd Danial Ibrahim	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
22.	Asrani Haji Lit	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012



<b>23.</b>	Ron Aldrino Chan @ Ron Buning	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
<b>24.</b>	Nazeri Abdul Rahman	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
<b>25.</b>	Dr Abdullah Haji Yassin	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
<b>26.</b>	Nor Azalina Rosli	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
<b>27.</b>	Ir Ting Sim Nee	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions	Hotel Pullman, Kuching	10-12 Julai 2012
<b>28.</b>	Ir Ting Sim Nee	AWAM International Conference on Civil Engineering (AICCE 2012)	Park Royal, Batu Ferringghi, Pulau Pinang	28-30 Ogos 2012
<b>29.</b>	Annisa binti Jamali	2012 International Symposium on Robotics and Intelligent Sensors	Hotel Hilton, Kuching, Sarawak	4-6 September 2012
<b>30.</b>	Prof Dr Md Abdul Mannan	7th International CUTSE- 2012 Conference	Harry Perkins Lecture Theare, Curtin University Sarawak Campus, Miri, Sarawak	6-7 November 2012
<b>31.</b>	Ngu Sze Song	3rd International Conference on Mechanical and Manufacturing Engineering (ICME2012) - Sustainable Engineering Towards Green Technology	Universiti Tun Hussein Onn Malaysia (UTHM)	20-21 November 2012
<b>32.</b>	Ir David Bong Boon Liang	Image Electronics and Visual Computing Workshop 2012	Kuching, Sarawak	21-24 November 2012
<b>33.</b>	Ir David Bong Boon Liang	International Conference on Advanced Computer Science Applications and Technologies 2012	Kuala Lumpur	26-28 November 2012

<b>34.</b>	Norsuzailina Mohamed Sutan	The International Conference on Advanced Material Engineering & Technology (ICAMET 2012)	Batu Ferringghi, Pulau Pinang	28-30 November 2012
<b>35.</b>	Ibrahim Yakub	The International Conference on Advanced Material Engineering & Technology (ICAMET 2012)	Batu Ferringghi, Pulau Pinang	28-30 November 2012
<b>36.</b>	Dr Hushairi Haji Zen	4th International Conference on Underwater System Technology: Theory and Applications 2012	Hotel Concorde, Shah Alam, Selangor Darul Ehsan	4-6 Disember 2012
<b>37.</b>	Prof Madya Dr Mohd Saufee Muhammad	2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)	Sutera Harbour Resort, Kota Kinabalu, Sabah	3-4 Disember 2012
<b>38.</b>	Sharifah Masniah Wan Masra	2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)	Sutera Harbour Resort, Kota Kinabalu, Sabah	3-4 Disember 2012
<b>39.</b>	Maimun Huja Hussin	2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)	Sutera Harbour Resort, Kota Kinabalu, Sabah	3-4 Disember 2012
<b>40.</b>	Dr Kismet Hong Ping (Diwakili oleh Marta a/l Elizabeth-Pelajar Sarjana)	2012 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE 2012)	Hotel Avillion Legacy, Melaka	11-13 Disember 2012

## 7.2 LIST OF INTERNATIONAL CONFERENCE / SEMINAR PRESENTED BY LECTURER

No.	Name	Conference	Place	Date
1.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	2nd International Conference on Energy & Environment	Nawabshah, Sindh, Pakistan	16-18 Januari 2012
2.	Prof Madya Dr Azhaili Baharun	2nd International Conference on Energy & Environment	Nawabshah, Sindh, Pakistan	16-18 Januari 2012
3.	Dr Tay Kai Meng	2012 IEEE International Conference on Fuzzy System's	Brisbane, Australia	10-15 Jun 2012
4.	Prof Madya Dr Mohd Saufee Muhammad	IEEE Congress on Evolutionary Computation 2012 (IEEE CEC 2012)	Brisbane, Australia	10-15 Jun 2012
5.	Ade Syaheda Wani binti Marzuki	2nd Annual International Conference on Mobile Communications, Networking and Applications (MobiCONA 02012)	Hotel Fort Canning, Singapura	18-19 Jun 2012
6.	Dr Mohd Danial Ibrahim	2012 ASME-ISPS/JSME-IIP Joint International Conference on Micromechatronics for Information and Precision Equipment (MIPE2012)	Santa Clara University, Santa Clara, California, USA	18-20 Jun 2012
7.	Noor Hisyam Noor Mohamed	International Conference on Advances and Trends in Engineering Materials and Applications 2012 (AES ATEMA 2012)	Montreal, Canada	18-22 Jun 2012
8.	Ir Ting Sim Nee	11th International Probabilistic Safety Assessment and Management Conference & The Annual European Safety and Reliability Conference 2012	Helsinki, Finland	25-29 Jun 2012
9.	Dr Tay Kai Meng	11th International Probabilistic Safety Assessment and Management Conference & Te Annual European Safety and Reliability Conference 2012	Helsinki, Finland	25-29 Jun 2012
10.	Prof Dr Selahattin Gultekin	8th International Conference on Diffusion in Solids and Liquids	Istanbul, Turki	25-29 Jun 2012
11.	Dr Shanti Faridah Salleh	International Conference on Chemistry and Chemical Engineering-ICCE	Jeju Island, Korea Selatan	29-30 Jun 2012
12.	Siti Nor Ain Musa	Seventh International Knowledge Management,	Salamanca, Spain	11-13 Julai 2012

		Service and Cloud Computing (KMO) Conference		
13.	Dr Delsye Teo Ching Lee	18th IGWT Symposium on Technology and Innovation for a Sustainable Future: A Commodity Science Perspective	Rome, Italy	24-28 September 2012
14.	Dr Syed Tarmizi Syed Shazali	International Conference on Manufacturing Research 2012 (ICMR2012)	Aston University, Birmingham, United Kingdom	11-13 September 2012
15.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	7th International Conference on Applied Electrostatics (ICAES 2012)	Dalian, China	16-19 September 2012
16.	Dayang Nur Salmi Dharmiza binti Awang Salleh	2012 International Conference on Solid State Devices and Materials	Kyoto, Jepun	25-27 September 2012
17.	Dr Hajah Siti Noor Linda Haji Taib	8th Asia Pacific Structural Engineering and Construction Conference (APSEC 2012) & 1st International Conference on Civil Engineering Research (ICCER 2012) [APSEC-ICCER 2012]	Surabaya, Indonesia	2-4 Oktober 2012
18.	Nor Azalina Rosli	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)	Jakarta, Indonesia	24-25 Oktober 2012
19.	Mohd Faizrizwan Mohd Sabri	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)	Jakarta, Indonesia	24-25 Oktober 2012
20.	Maimun Huja Hussin	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)	Jakarta, Indonesia	24-25 Oktober 2012
21.	Ahmad Adzlan Fadzli bin Khairi	The 65th Annual Meeting of the American Physical Society's Division of Fluid Dynamics	San Diego Convention Centre, San Diego, California, USA	18-20 November 2012
22.	Dr Abdullah Haji Yassin	International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2012)	Holiday Inn Paris, Montparnasse- Av.Du Maine, Paris, France	28-29 November 2012

## 8 PUBLICATIONS

### 8.1 PROCEEDINGS

No.	Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
1.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	Flow Simulation Study of an Electrohydrodynamics Micropump	International Conference on Arts, Social Sciences and Technology 2012 (ICAST 2012)
2.	Dr Kismet anak Hong Ping	PSO-FBTS Approach to Microwave Breast Imaging	31st Progress in Electromagnetics Research Symposium (PIERS 2012 in Kuala Lumpur)
3.	Ir David Bong Boon Liang	Image Noise Severity Metric	2012 International Conference on Digital Image Processing (ICDIP 2012)
4.	Ir David Bong Boon Liang	Error Rate Analysis of Bit- Plane Recognition Using Yale Face Database	2nd Regional Conference on Applied and Engineering Mathematics 2012
5.	Norsuzailina Mohamed Sutan	Sustainable Polymer Cement Composite System	The 11th International Conference on Concrete Engineering and Technology 2012
6.	Dr Md Rezaur Rahman	Thermal and Morphological Characterizations of Urea Formaldehyde Impregnated Tropical Wood Species	2nd International Conference on Process Engineering and Advanced Materials (ICPEAM 2012)
7.	Hazrul Mohamed Basri	Fault Detection Using Dynamic Parity Space Approach	2012 IEEE International Power Engineering and Optimization Conference (PEOCO 2012)
8.	Dr Darrien Mah Yau Seng	Incorporating Floodplain Inundation as Flood Mitigation Plan	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change - Empowering Green Solutions
9.	Prof Dr Kaniraj Shenbaga	Cement and Fiber Stabilization of Indian Fly Ashes	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change

10.	Rohaida binti Affandi	Level of Occupational Safety and Health Practices on Construction Site Using SHASSIC Method	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
11.	Prof Madya Dr Nasser Rostam Afshar	Rainfall Forecasting Using Fourier Series	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
12.	Prof Madya Dr M. Shahidul Islam	Quantitative Tool in Measuring Course Outcomes: A Model Study in Engineering Education at UNIMAS	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
13.	Dr Abu Saleh Ahmed	Biodiesel Production from Macro Algae as a Green Fuel for Diesel Engine	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
14.	Dr Delsye Teo Ching Lee	Locally Available Palm Oil Palm Fuel Ash (POFA) As Cement Replacement in Concrete	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
15.	Norsuzailina Mohamed Sutan	Durability of Nanosilica-based Cement Mortar	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
16.	Dayangku Salma Awang Ismail	Effect of Compaction Energy on Engineering Characteristics of Compacted Soil	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
17.	Rosmina Ahmad Bustami	Development of Temporal Rainfall Pattern for Southern Region of Sarawak	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
18.	Mohd Farid Atan	Pelletisation of Empty Fruit Bunch with Sago as Binding Agent for Power Generation	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
19.	Dr Mohd Danial Ibrahim	HDDs with Better Heat	5th Engineering Conference 2012

		Dissipation Systems Designed for Search Engines Servers	(EnCon 2012) : Engineering Towards Change
20.	Asrani Haji Lit	Performance Optimization for Networks-on-Chip Architectures using Multi- Level Network Partitioning	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
21.	Ron Aldrino Chan @ Ron Buking	Development of Modified Fuzzy-FMEA Methodology for Risk Assesment Studies on Rajang River Infrastructure	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
22.	Nazeri Abdul Rahman	Sustainable Utilization of Biomass Wastes for Power Generation from Sago Processing Industry	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
23.	Dr Abdullah Haji Yassin	Laser Sintered Materials Machinability Analysis with Finite Element Method	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
24.	Nor Azalina Rosli	Assessment of Groundwater Quality and Hydro-Chemical Study at Pulau Salak	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
25.	Ir Ting Sim Nee	Incentives in the Current Practice of Occupational Safety and Health of Malaysia	5th Engineering Conference 2012 (EnCon 2012) : Engineering Towards Change
26.	Ir Ting Sim Nee	Proposed Model for the Intergration of Time Determination with Qualitative Risk Assessment Method for Construction Projects in Malaysia	AWAM International Conference on Civil Engineering (AICCE 2012)
27.	Annisa binti Jamali	Design and Control of Variable Length Hyper Redundant Robot	2012 International Symposium on Robotics and Intelligent Sensors



28.	Prof Dr Md Abdul Mannan	Oil Palm Shell (OPS) Green Aggregate for Construction of Rural and Estate Housings	7th International CUTSE-2012 Conference
29.	Ngu Sze Song	A Novel Design of Tube Printing Machine	3rd International Conference on Mechanical and Manufacturing Engineering (ICME2012) - Sustainable Engineering Towards Green Technology
30.	Ir David Bong Boon Liang	Design and Analysis of a Local K-Distance Model for Visual Quality Assessment	Image Electronics and Visual Computing Workshop 2012
31.	Ir David Bong Boon Liang	Analysis of Thumbprint Recognition in Different Bit Levels	International Conference on Advanced Computer Science Applications and Technologies 2012
32.	Norsuzailina Mohamed Sutan	Efflorescence Phenomenon on Concrete Structures	The International Conference on Advanced Material Engineering & Technology (ICAMET 2012)
33.	Ibrahim Yakub	Effects of Zinc Chloride Impregnation on the Characteristics of Activated Carbon Produced from Physic Nut Seed Hull	The International Conference on Advanced Material Engineering & Technology (ICAMET 2012)
34.	Dr Hushairi Haji Zen	Dynamic Route Search Protocol for Underwater Acoustic Network Discovery and Localization	4th International Conference on Underwater System Technology: Theory and Applications 2012
35.	Prof Madya Dr Mohd Saufee Muhammad	Sound Navigation Aid System for the Vision Impaired	2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)
36.	Sharifah Masniah Wan Masra	Application of Particle Swarm Optimzation in	2012 IEEE Colloquium on Humanities, Science and



		Histogram Equalization for Image Enhancement	Engineering (CHUSER 2012)
37.	Maimun Huja Hussin	Built in Self Test for RAM Using VHDL	2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)
38.	Dr Kismet anak Hong Ping (Represented by Master Student-Marta a/p Elizabeth)	2-D Reconstruction of Breast Image Using Forward-Backward Time-Stepping Method for Breast Tumour Detection	2012 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE 2012)
39.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	Modelling of Heat and Mass Transfer in a Solar Dryer with Biomass Back-Up Burner	2nd International Conference on Energy & Environment
40.	Prof Madya Dr Azhaili Baharun	Sarawak General Hospital Main Block Building Retrofit Features for Energy Efficiency	2nd International Conference on Energy & Environment
41.	Dr Tay Kai Meng	Building Monotocity-Preserving Fuzzy Inference Models with Optimization-Based Similarity Reasoning and the Monotoncity Index	2012 IEEE International Conference on Fuzzy System's
42.	Prof Madya Dr Mohd Saufee Muhammad	Ensembles of DNA Letters for the Design of Unique DNA Library Using a Modified Version of Multi-criteria VEDEPSO Optimizer	IEEE Congress on Evolutionary Computation 2012 (IEEE CEC 2012)
43.	Ade Syaheda Wani binti Marzuki	Evaluation of QoS and Energy Degradation During IEEE 802.11b WLAN Handover	2nd Annual International Conference on Mobile Communications, Networking and Applications (MobiCONA 02012)
44	Dr Mohd Danial Ibrahim	Improvements of the Aerodynamics and	2012 ASME-ISPS/JSME-IIP Joint

		Thermal Characterisatics of an S-Shaped Windowed HDD Arms	International Conference on Micromechatronics for Information and Precision Equipment (MIPE2012)
45	Noor Hisyam Noor Mohamed	Evaluation on Mechanical Properties of Bamboo Fiber Composites	International Conference on Advances and Trends in Engineering Materials and Applications 2012 (AES ATEMA 2012)
46	Ir Ting Sim Nee	Integrating Time Determination with Qualitative Risk Assessment Case Study for Road Construction Project in Malaysia	11th International Probabilistic Safety Assessment and Management Conference & The Annual European Safety and Reliability Conference 2012
47	Dr Tay Kai Meng	New Fuzzy Failure Mode and Effect Analysis Methodology with a Monotonicity-Preserving Similarity Reasoning Scheme	11th International Probabilistic Safety Assessment and Management Conference & The Annual European Safety and Reliability Conference 2012
48	Prof Dr Selahattin Gultekin	Mass Transfer with Chemical Reactions in Porous Catalysts: A Discussion on the Criteria for the Internal and External Diffusion Limitations	8th International Conference on Diffusion in Solids and Liquids
49	Dr Shanti Faridah Salleh	Kinetic Studies on Acid Hysrolysis of OPEFB in a Batch Reactor	International Conference on Chemistry and Chemical Engineering-ICCE
50	Siti Nor Ain Musa	Advances in Intelligent and Soft Computing: Potential Application of Service Science in Engineering	Seventh International Knowledge Management, Service and Cloud Computing (KMO) Conference
51.	Dr Delsye Teo Ching Lee	Sustainable Lightweight Concrete Bricks Utilising Waste Expanded Polystyrene (EPS) and Rice Husk Ash (RHA)	18th IGWT Symposium on Technology and Innovation for a Sustainable Future: A Commodity Science Perspective

52.	Dr Syed Tarmizi Syed Shazali	Human Stress-Centred Behaviours Study Related to Small and Medium Enterprises - A Malaysian Perspective	International Conference on Manufacturing Research 2012 (ICMR2012)
53.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	Computational Modeling and Simulation of Electrohydrodynamic (EHD) Ion-Drag Micropump with Planar Emitter and Micropillar Collector Electrodes	7th International Conference on Applied Electrostatics (ICAES 2012)
54.	Dayang Nur Salmi Dharmiza binti Awang Salleh	Inductorless Wideband Low Noise Amplifier with Variable Gain in 65nm CMOS	2012 International Conference on Solid State Devices and Materials
55.	Dr Hajah Siti Noor Linda Haji Taib	Particle Image Velocimetry (PIV) Analysis Via MatPIV for Measuring Displacement of Shallow Foundation on Uniform Sand	8th Asia Pacific Structural Engineering and Construction Conference (APSEC 2012) & 1st International Conference on Civil Engineering Research (ICCER 2012) [APSEC-ICCER 2012]
56.	Nor Azalina Rosli	Salak River Water Quality Mapping and Classification According to Physico-Chemical Characteristics	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)
57.	Mohd Faizrizwan Mohd Sabri	Development of 5-bit, 4- Inputs PWM Generator on FPGA Through VHDL Programming	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)
58.	Maimun Huja Hussin	Design & Implementation of Home Security System Using Verilog-HDL	International Conference on Advances Science and Contemporary Engineering 2012 (ICASCE 2012)

59.	Ahmad Adzlan Fadzli bin Khairi	Vortex Breakdown in a Coaxial Swirling Jet with a Density Difference: An Experimental Study	The 65th Annual Meeting of the American Physical Society's Division of Fluid Dynamics
60.	Dr Abdullah Haji Yassin	Experimental Study on Machinability of Laser- Sintered Material in Ball End Milling	International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2012)

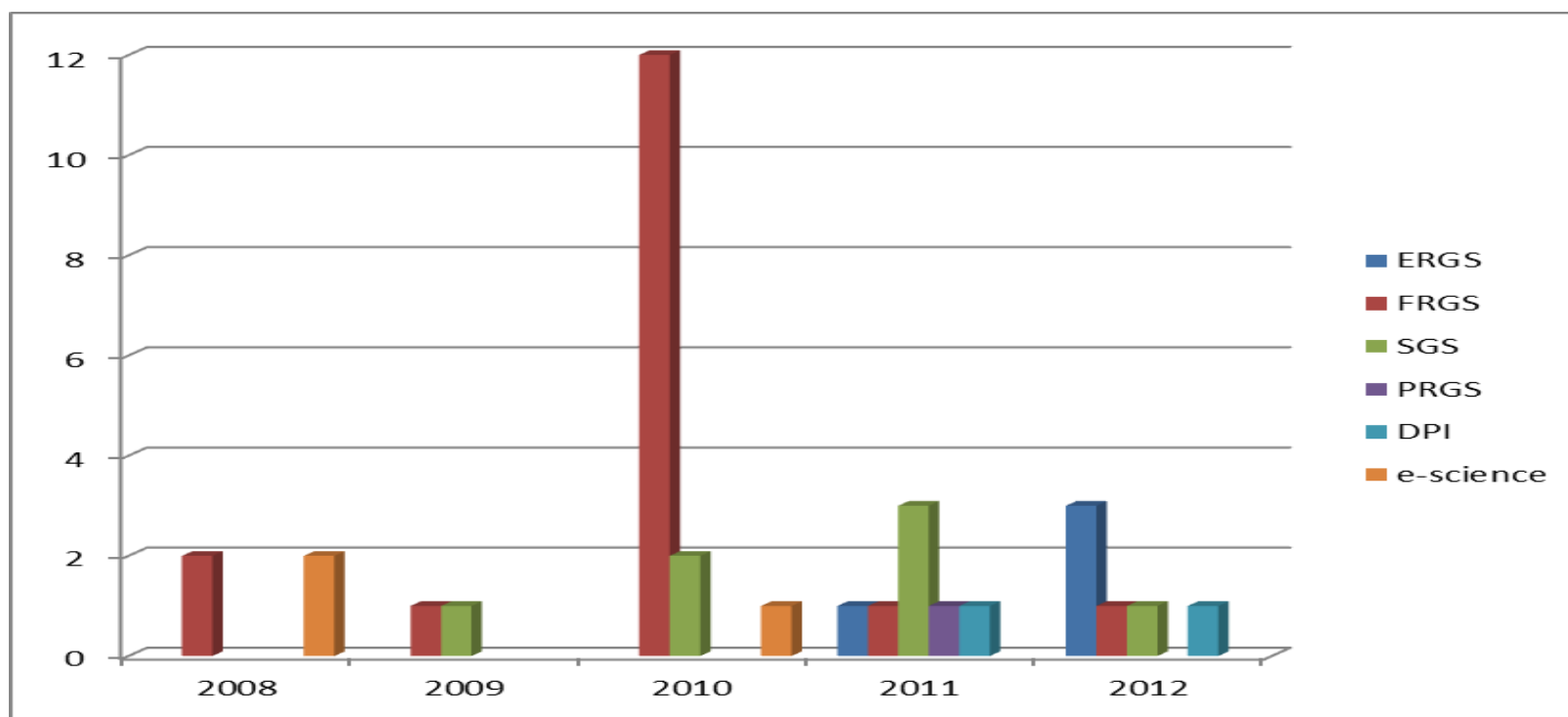
## 8.2 JOURNALS

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No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
1.	Prof Dr Sinin Hamdan	Dimensional Stability and Water Repellent Efficiency Measurement of Chemically Modified Tropical Light Hard Wood	BioResources 2012, 7(1), 1221-1231
2.	Prof Dr Sinin Hamdan	The Effect of Alkali Pretreatment on Mechanical and Morphological Properties of Tropical Wood Polymer Composites	Journal Materials and Design 33 (2012), 419-424.
3.	Prof Dr Sinin Hamdan	Materials and Methods for Concrete and Composite Concrete Floor, Experimental Investigations of Vibrations	LAP LAMBERT Academic Publishing (2012), ISBN-978-3-8473-3821-5

## 9 LIST OF RESEARCH ACTIVITIES

Year	ERGS	FRGS	SGS	PRGS	DPI	e-Science
2008		2				2
2009		1	1			
2010		12	2			1
2011	1	1	3	1	1	
2012	3	1	1		1	



No.	Researcher	Co-Researcher	Grant Number	Research Title	Duration	Fund (RM)
1.	Norsuzailina Mohamed Sutan	Prof Dr Sinin Hamdan, Dr Delsye Teo Ching Lee, Dr Zainal Abidin Talib (UPM), Ir Dr Mohd Salleh Jaafar (UPM)	FRGS/03(07)/839/2012(79)	Parametric study on Utilizing Waste Glass as a Finely Ground Mineral Adictive (FGMA) in a Modified Multi-Component Binder (MMCB) Durable Eco-friendly Cement System	24 months	60,750.00
2.	Prof Madya Ir Dr Andrew Ragai Henry Rigit	Prof Madya Dr Jane Labadin, Prof Madya Dr Azhaili Baharun	ERGS/02(02)/853/2012(05)	Mapping of Tidal energy for Sarawak and Sabah	24 months	50,000.00
3.	Prof Dr Ng Chee Khoon	Dr Tay Kai Meng, Mdm Chiew Fei Ha (UiTM), Dr Delsye Teo Ching Lee	ERGS/02(07)/859/2012(11)	Development of a Novel Musical-inspired Meta-heuristic Optimiser for Mix Proportion Design of High-Strength Concrete	36 months	50,000.00
4.	Dr Md Rezaur Rahman	Prof Dr Sinin Hamdan, Dr Abu Saleh Ahmed, Dr Rubiyah Baini, Dr Dyg Maryani Awg Hashim (UiTM), Mohd Farid Atan	ERGS/02(08)/860/2012(12)	Synthesis and Characterization of Mn3O4 Nanoparticles and Its Application on Oxidative and Antibacterial Activity	36 months	50,000.00
5.	Dr Wan Azlan Wan Zainal Abidin (Geran dari Kementerian Pengajian Tinggi Malaysia)	Assoc. Prof Dr Al-Khalid Haji Othman, Assoc. Prof. Dr Azhaili Baharun, Dr Hushairi Zen, Dr Thelaha Masri	-	Kelestarian Sistem Hidro Mikro Melalui Program Pemindahan	12 months	171,954.00
6.	Assoc. Prof Dr Al Khalid Othman	Dr Wan Azlan Wan Zainal Abidin, Dr Hushairi Zen,	CoERE/PK4/03/201	Energy Optimization for Rural ICTs Telecentre	24 months	51,420.00

		Dr Thelaha Masri, Kasumawati Bt Lias, Ade Syaheda Wani Marzuki, Hazrul b Mohamed Basri	2 (01)			
7.	Dr Wan Azlan Wan Zainal Abidin	Prof Madya Dr Azhaili Baharun Dr Thelaha Masri Dr Kismet Anak Hong Ping	CoERE/P K06/06/20 12 (02)	Adaptive Energy Efficient Home Cooling System for Low Cost Housing	24 months	50,600.00
8.	Dr Thelaha Masri	Assoc. Prof Dr Azhaili Baharun, Dr Wan Azlan Wan Zainal Abidin, Assoc. Prof Dr Al Khalid Othman, Dr Hushairi Zen, Dato Ir Abang Jemat Abang Bujang	CoERE/P K06/05/20 12 (01)	Sustainable Wind Energy Prototpye Development for Telecommunication Tower	24 months	52,150.00
9.	Dr Wan Azlan Wan Zainal Abidin	Assoc. Prof Dr Al-Khalid Othman, Dr Hushairi Zen, Dr Thelaha Masri, Dr Kismet anak Hong Ping	02(DPI15) /873/2012( 07)	GPS/Network-based Radial Basis Funtion Prediction Method for Real-time Heavy Vehicle Monitoring	24 months	50,000.00
10.	Asrani Haji Lit	Dr Kismet Hong Ping, Dr Nordiana Rajae, Sharifah Masniah Wan Masra, Hazrul Mohamed Basri	02(S105)/ 877/2012( 18)	Development of Network Partitioning (NP) and Core Clustering in Network-on- Chip (NoC)	12 months	5,000.00
11.	Ibrahim Yaakub	Dr Md Rezaur Rahman, Norsuzailina Mohamed Sutan	03(S113)/ 894/2012( 26)	Physicochemical Characterization of Ultra Fine Amorphous Colloidal Silica Modified Binary Binders	12 months	10,000.00
12.	Annisa bt. Jamali	Ir. Dr. Mohd Shahril Osman, Mohd Syahmi B. Jamaludin, Muhd Fadzli Ashari, Ervina Junaidi	02(S115)/ 897/2012( 28)	Control Algorithm for Hyper Redundant Robot in Constraint Area	12 months	8,360.00
13.	Noor Aliah Abdul Majid	Ir Dr Mohamad Shahril Osman, Mohd Fareez Edzuan Abdullah	RAGS/TK /01(1)/934 /2012 (35)	Real-Time Physical Properties Measurement to Determine the Quality of Roasted Coffee Bean	24 months	20,000.00



14.	Muhammad Fadzli Ashari	Dr Awang Ahmad Sallehin bin Awang Husaini (FSTS), Dr Azham Zulkharnain (FSTS), Ir Dr Mohd Shahril Osman, Dr Mohd Danial Ibrahim, Ahmad Adzlan Fadzli Bin Khairi, Mohd Syahmi Bin Jamaludin	RAGS/TK /01(2)/935 /2012 (36)	Accelerated Production of White Pepper Using Integrated Mechanical and Enzymatic Solutions in an Automated Machine	24 months	20,000.00
13.	Dr Leonard Lim Lik Pueh	Prof Dr Shenbaga Kaniraj, Nor Azalina Rosli	RAGS/TK /03(1)/939 /2012 (40)	Heavy Metal Contaminated Soil Remediation Using Electrokinetics from Prevention of Groundwater Contamination	24 months	20,000.00
14.	Khairul Anwar Mohamad Said	Prof Madya Dr Mohamad Omar Abdullah, Mohamed Afizal Mohamed Amin, Ibrahim Yaakub, Nur Syuhada Ahmad Zauzi	RAGS/TK /05(3)/942 /2012 (43)	Characterization of Antioxidant and Phenolic Compound Extracted from Ripen Banana (Musa sp.) Using Ultrasonic Assisted Extraction	24 months	20,000.00
15.	Dr Ivy Tan Ai Wei	Nur Syuhada Ahmad Zauzi, Ibrahim Yaakub, Mohamed Afizal Mohamed Amin, Khairul Anwar Mohamad Said	RAGS/TK /05(2)/941 /2012 (42)	Feasibility Study of Phytoremediation Towards Sustainable Palm Oil Mill Effluent (POME) Treatment		20,000.00
16.	Dr Mohd Danial Ibrahim	Prof Madya Dr Miyanaga Norifumi (Universiti Waseda, Jepun), Ir Dr Mohamad Shahril Osman	RAGS/TK /01(4)/937 /2012 (38)	Theoretical Development and Experimental Verifications of a Smart and Energy Efficient Hard Disk Drives	24 months	25,000.00
17.	Ahmad Adzlan Fadzli bin Khairi	Ir Dr Mohamad Shahril Osman, Dr Mohd Danial Ibrahim, Hishammudin Afifi Huspi, Muhd Fadzli Ashaari, Dr Azham	RAGS/TK /01(5)/938 /2012 (39)	Achieving Desired Operational Condition for Devices Interacting with Fluid Flow Through	24 months	25,000.00

Zulkharnain (FSTS)				Exploitation of Dimples and Rivets		
18.	Ibrahim Yakub	Nur Syuhada Ahmad Zauzi, Norsuzailina Mohamed Sutan, Mohamed Afizal Mohamed Amin, Khairul Anwar Mohd Said	RAGS/TK/05(1)/940/2012 (41)	Study of the Effects of Intrinsic Metal Content on the Characteristics of Bimetallic Impregnated Catalyst Over Porous Carbon for Selective Catalytic Reduction (SCR)	24 months	20,000.00
19.	Mohd Azrin Mohd Said	Dr Abdullah Yassin, Ir Dr Mohamad Shahril Osman, Ibrahim Yakub, Mohd Fareez Edzuan Abdullah, Hishammudin Afifi Huspi	RAGS/TK/01(3)/936/2012 (37)	Study and Design of Lab Scale Algae Production-Harvesting Integrated System in Improving Algae Oil Production	24 months	20,000.00
20.	Mohd Fareez Edzuan bin Abdullah	Ir Dr Mohamad Shahril Osman, Noor Aliah Abdul Majid	RAGS/TK/07(1)/945/2012 (46)	Study of Biofuel Oxygen Content Affects on Diesel Exhaust Emission	24 months	20,000.00
21.	Nur Syuhada Ahmad Zauzi	Prof Madya Dr Mohamad Omar Abdullah, Dr Rubiyah Baini, Ibrahim Yakub, Mohamed Afizal Mohamed Amin, Khairul Anwar Mohd Said	RAGS/TK/07(3)/947/2012 (48)	Study on the Chemical Treatment of Red Mud as Catalyst for the Conversion of Plastic Waste to Fuel	24 months	20,000.00
22.	Mohamed Afizal Mohamed Amin	Prof Madya Dr Mohd Omar Abdullah, Ibrahim Yakub, Nur Syuhada Ahmad Zauzi, Khairul Anwar Mohd Said	RAGS/TK/07(2)/946/2012 (47)	Characterization and Optimization of Proton Exchange Membrane Based on Speek/Chitosan Material for Fuel Cell Application	24 months	20,000.00

## 10 ACADEMIC RELATED ACTIVITIES

No	Activities	Date	Venue
1	Kursus Pendek Peranan dan Tugas Pembantu Pegawai Aset	15 Februari 2012	Bilik TMM Tingkat 1, FK
2	<i>Training Equipment : Safety-Related Testing-Flash Point</i>	17 Januari 2012	Makmal Bioproses, JKKST
3	Bengkel " <i>E-Course File Submission and E- Documentation Workshop</i> "	14 Februari 2012	1. Makmal Komputer Jabatan Kejuruteraan Sivil 2. Makmal Komputer Jabatan Kejuruteraan Mekanikal & Pembuatan 3. Makmal Komputer Jabatan Kejuruteraan Elektronik 4. Makmal Komputer Jabatan Kejuruteraan Kimia & Sustainability Tenaga
4	<i>Training Equipment: Microscope With Camera</i>	22 Februari 2012	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga
5	<i>Training Equipment : Ultracentrifuge</i>	22 Februari 2012	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga
6	<i>K-Sharing</i> 1) <i>Fusion Splicer</i> 2) <i>Analogue Oscilloscope</i> 3) <i>Travel Charger</i> 4) <i>Electronic Board</i>	22 Februari 2012	Jabatan Kejuruteraan Elektronik
7	Kursus Pendek Pengenalan Kepada <i>Total Station</i>	23 Februari 2012	Jabatan Kejuruteraan Sivil
8	<i>Training- Microscope with Camera</i>	2 Mac 2012	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga
9	<i>Training For Air Apindle Unit</i>	17 Mac 2012	Fakulti Kejuruteraan
10	<i>Talk About Practicing as an Engineer and Product Liability</i>	22 Mac 2012	Jabatan Mekanikal dan Pembuatan
11	<i>K-Sharing-</i> 1) Digital Oscilloscope 2) Pengenalan Kepada Peralatan Makmal di Dalam Makmal DSP, Makmal ISDN dan Makmal Mikroproseser 3) U-Buntu 4) Chamber Room	30 Mac 2012	Jabatan Kejuruteraan Elektronik

12	<i>Training Equipment : Ultra-low Freezer</i>	26 Jun 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
13	Ceramah Bertajuk Menangani Stress di Tempat Kerja	26 Jun 2012	Jabatan Kejuruteraan Elektronik
14	<i>Training- Ultrafiltration Unit</i>	27 Jun 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
15	<i>Training - Anareobic Chamber</i>	27 Jun 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
16	<i>Sesi "Hands on e-Prestasi"</i>	5 Julai 2012	Fakulti Kejuruteraan
17	5 <sup>th</sup> Engineering Conference 2012	10-12 Julai 2012	Hotel Pullman, Kuching
18	<i>Training Thermogravimetry Analysis</i>	17-18 Julai 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
19	<i>Training- Electrical Power System Brand :MP-Scientific &amp; Right Power</i>	18-20 Julai 2012	Fakulti Kejuruteraan
20	<i>Training Atomic Absorption Spectroscopy</i>	19-20 Julai 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
21	<i>Training Bioreactor</i>	31 Julai 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
22	<i>Training Freeze Dryer</i>	15 Ogos 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
23	Bengkel Motivasi Pelajar CGPA<2.5 (bagi keputusan peperiksaan Sem.2 2011/2012)	4 & 17 Oktober 2012	Fakulti Kejuruteraan
24	<i>Training French Press</i>	29 Oktober 2012	Jabatan Kejuruteraan Kimia dan Sostenibiliti Tenaga
25	Seminar Motivasi Staf Akademik Fakulti Kejuruteraan 2012	31 Oktober 2012	Fakulti Kejuruteraan
26	Program Orientasi Pelajar Tahun 1	17 & 18 November 2012	Jabatan Kejuruteraan Elektronik
27	<i>Geotechnical Engineering Laboratory Training</i>	26-30 November 2012	Jabatan Kejuruteraan Sivill
28	<i>Geotechnical Engineering Laboratory Training for Sarawak Mineral and Geosciences Department</i>	10-12 Disember 2012	Jabatan Kejuruteraan Sivill

## 11 STUDENT'S ACTIVITIES

No	Activities	Date	Venue
1	Majlis Pelancaran Sonar Tribal EP "First Episode"	6 Mac 2012	Student Pavilion, UNIMAS
2	Kem PRS SMK Muara Tuang	9 – 11 Mar 2012	SMK Muara Tuang
3	KESUMAS	17 – 25 Mar 2012	UNIMAS
4	Program Motivasi Bersama Pelajar-Pelajar Tahun 6 SK Kampung Baru	28 Mar 2012	CTF 1, DK UNIMAS
5	Lawatan ke F&N Beverages Sdn Bhd	26-Apr-12	F&N Beverages Sdn Bhd
6	Program Lawatan Ke Pusat Janakuasa Arang Batu Sejingkat	2 Mei 2012	Pusat Janakuasa Arang Batu Sejingkat
7	Engineering Career Fair 2012	16 -17 Mei 2012	UNIMAS
8	Majlis makan malam fakulti kejuruteraan (RETRO NITE)	18 Mei 2012	Rajah Court Hotel
9	Pameran Robotik Sempena Perasmian Program Cybersains SK Green Road	26 Mei 2012	Dewan Tunku Abdul Rahman, SK Green Road, Kuching
10	Majlis Penghargaan KESUMAS 2012	30 Mei 2012	Fakulti Kejuruteraan, UNIMAS
11	UITM Sarawak Innovations Carnival (USYIC) 2012 : Nurturing & Understanding Innovations	2-8 Julai 2012	UITM Sarawak Innovations Carnival (USYIC) 2012 : Nurturing & Understanding Innovations Stadium Negeri Kuala
12	ROBOCON Malaysia 2012	12-17 Julai 2012	Terengganu, Jalan Sultan Mahmud, Kampung Ladang Hospital, Kuala Terengganu, Terengganu
13	Hari Mentor Mentee Fakulti Kejuruteraan 2012	9/12/2012	1) Banquet Hall 2, DeTAR PUTRA 2) Banquet Hall 1, DeTAR PUTRA 3) Makmal Komputer, Bangunan Kimia 4) TMM, Fakulti Kejuruteraan

14	Minggu Kejuruteraan 2012	25 -30 September 2012	Fakulti Kejuruteraan, UNIMAS
15	Photography Session dan Sambutan Graduasi Fakulti Kejuruteraan 2012	13 – 14 Oktober 2012	Fakulti Kejuruteraan, UNIMAS
16	Program Orientasi Pelajar Tahun 1	17 & 18 November 2012	Siar Beach Resort, Lundu
17	Program Bersama Ustaz Don	29 Disember 2012	Dewan Arena Gemilang DETAR

## 11.1 COMPETITION'S AND AWARD'S

No	Student Name	Program	Award	Category	Year
1	Firdaus Bt Abdol Kalary	Dept of Civil Engineering	IEM Gold Medal Award 2011/2012	Best final year engineering student	21 April 2012
2	Firdaus Bt Abdol Kalary	Dept of Civil Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
3	Zait Aivian Yue Binti Yacub	Dept of Civil Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
4	Nurliyana Binti Hussaini	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
5	Nurul Fatin Binti Mohammad Zahir	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
6	Esther Belinda Anak Tening	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
7	Hillare Francis	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
8	Ahmad Wazeer Bin Johari	Dept of Mechanical & Manufacturing Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
9	Hazel Maybelline Anak Johan	Dept of Mechanical & Manufacturing Engineering	Anugerah Kecemerlangan Zecon	Anugerah Akademik Fakulti	3 October 2012
10	Nicholas Lim Woon Leong	Dept of Civil Engineering	Anugerah Khas Senat	Anugerah Akademik Konvokesyen	13-14 October 2012
11	Thong Chia Chia	Dept of Civil Engineering	Anugerah Khas Senat	Anugerah Akademik Konvokesyen	13-14 October 2012
12	Muhammad Faizal bin Shamsulbahri	Dept of Civil Engineering	Best Thesis Award (Bronze Medal)	Best Thesis Award in Water Resources and Hydrology in conjunction	2012

				with World Water Day 2012	
13	Sonar Tribal	Dept of Civil Engineering	1st Runner Up	DiGi Challenge for Change 2011/12	2012
14	Darmeshnaai du A/L Ganeson	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering Association of Malaysia (REAM) Education Fund	2012
15	Nurafiqah Bt. Panot	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering Association of Malaysia (REAM) Education Fund	2012
16	Nur Azizah Bt. Haratono	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering Association of Malaysia (REAM) Education Fund	2012
17	Calvin Watt Gawing	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering Association of Malaysia (REAM) Education Fund	2012
18	Effie Jeffrey Linjungan	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering Association of Malaysia (REAM) Education Fund	2012
19	Nicholas Poinggis	Dept of Civil Engineering	REAM Education Fund	Sumbangan Road Engineering	2012



				Association of Malaysia (REAM) Education Fund	
20	Josephine Lai Chang Hui	Department and Energy Sustainability	Gold Medal (Case Study)	Naces Chemical Engineering Symposium 2012	14 - 17 Disember 2012
21	Kam Yat Seng,	Department and Energy Sustainability	Gold Medal (Chemical Pilot Plant)	Naces Chemical Engineering Symposium 2012	14 - 17 Disember 2012
22	Low Ken Giap	Department and Energy Sustainability	Gold Medal (Chemical Pilot Plant)	Naces Chemical Engineering Symposium 2012	14 - 17 Disember 2012
23	Tan Sung Ping	Department and Energy Sustainability	Gold Medal (Chemical Pilot Plant)	Naces Chemical Engineering Symposium 2012	14 - 17 Disember 2012
24	Ling How Kui	Department and Energy Sustainability	Gold Medal (Chemical Pilot Plant)	Naces Chemical Engineering Symposium 2012	14 - 17 Disember 2012







## 12 LIST OF ACADEMIC STAFF & QUALIFICATIONS

Name	Qualifications	Professional Membership
<b>Professor Dr Wan Hashim Wan Ibrahim</b>	PhD (Civil Engineering) (Purdue University) MSc (Civil Engineering) (Purdue University) BSc (Civil engineering) (Purdue University)	BEM : 26451A
<b>Professor Ir. Dr Law Puong Ling</b>	Post-Doctoral (United States Environmental Protection Agency, RTP, NC, USA) ScD (Environmental) (University of Massachusetts, USA) MSc (Environmental) (University of Massachusetts, USA) MSc (Civil) (University of Massachusetts, USA) BSc (Civil) (University of North Dakota, USA)	BEM : 12272 IEM : Civil 23070 - Corporate Member
<b>Professor Dr F.J. Putuhena</b>	PhD (Civil Engineering)(State University of New York at Buffalo, USA) MSc (Engineering Hydrology) (New Castle upon Tyne, UK) Ir. (Civil Engineering)(University of Indonesia, Jakarta)	
<b>Professor Dr Ng Chee Khoon</b>	Ph.D. (National University of Singapore) B.Eng. (Hons.) Civil (UTM)	
<b>Professor Dr Shenbaga Rajaratnam Kaniraj Jeyachandran</b>	Ph.D. (Geotechnical Engineering) (Indian Institute of Science, Bangalore) M.Eng (Soil Mechanics and Foundation Engineering) (Indian Institute of Science, Bangalore) M.Tech (Systems and Management) (Indian Institute of Technology, Delhi) B.Eng (Civil Engineering) (Madras University, India)	
<b>Professor Dr Md Abdul Mannan</b>	PhD (Civil Engineering) (Universiti Malaysia Sabah) MSc (Civil Engineering) (Universiti Kebangsaan Malaysia) BSc (Civil Engineering) (Rajshahi University, Bangladesh)	

<b>Professor Dr Amir Azam Khan</b>	<p>Palms Academics, TWAS Laureate 2001  PhD (Materials and Surface Engineering)  (University of Limoges, France)  Masters ((Materials and Surface Engineering) (University of Limoges, France)  BEng (Metallurgical Engineering and Materials Science), (UET, Pakistan)</p>	
<b>Professor Dr Sinin bin Hamdan</b>	<p>PhD Materials Mechanics (Loughborough England)  M Sc (Welding) (Brunel University of West London)  BSc (Hons) (Physics) (UKM)</p>	
<b>Associate Professor Dr Al-Khalid Hj Othman</b>	<p>PhD (Digital Signal Processing - Underwater Acoustic Networks)  (University of Newcastle, UK)  MSc (Information Technology-Digital)(Nottingham University)  BEng (Hons)(Electrical and Electronic Engineering)(Nottingham Trent University)</p>	BEM : 31422A
<b>Associate Professor Dr Mohammad Ibrahim Safawi Mohd Zain</b>	<p>PhD (Concrete) (Tohoku University, Japan)  MEng (Fluid Mechanics) (Centerbury University)  BEng (Hons) (Civil &amp; Structural) (Sheffield University)</p>	BEM : 22566
<b>Associate Professor Ir. Dr Andrew Ragai Henry Rigit</b>	<p>Coporate Member (Mechanical), IEM  Professional Engineer (Mechanical), BEM  PhD (Mechanical) (London), DIC (Fluid Dynamics) (Imperial College)  MEng (Mechanical) (UNIMAS)  BEng (Hons) (Mechanical) (City Uni.)</p>	<p>BEM : 12464  IEM : M17020</p>
<b>Associate Professor Dr Azhaili Baharun</b>	<p>PhD (Building Engineering – Energy Efficiency) (University of Leeds, UK)  BSc (Hons) (Civil Engineering) (University of Hartford, USA)</p>	BEM : 43605A
<b>Associate Professor Dr Mohammad Omar Abdullah @ Mak Khoon Ling</b>	<p>PhD (Mechanical &amp; Manufacturing Eng.) (UH) (United Kingdom)  M.Eng. (Petroleum Engineering) (UTM)  B.Eng. (Hons) (Petroleum &amp; Natural Gas Engineering) (UTM)</p>	BEM : 75176A

<b>Associate Professor Dr.Nasser Rostam Afshar</b>	PhD (Civil Engineering-Hydraulic Structure ) ( Roorkee University- India) M.Eng( Engineering Hydrology)(School of Hydrology , Roorkee University India) B.Tec(Agricultural Engineering)(P.A.U Ludhiana India)	
<b>Associate Professor Dr. Ir. Resdiansyah Mansyur</b>	PhD (Intelligent Transportation System)(National University of Malaysia) M.Eng (Transportation System and Engineering)(University of Gajah Mada, Indonesia) B.Eng (Civil Engineering Major in Highway Engineering)(National Technology Institute, Indonesia)	
<b>Associate Professor Dr Mohd Saufee Muhammad</b>	DEng (DNA Computing) (Mayji University, Japan) MSc (Electrical) (Western Michigan University, US) BEng (Hons) (Electronic Computer System) (Salford University, UK) Diploma (Electrical Engineering - Power) (UTM, Malaysia)	BEM : 37012A
<b>Associate Professor Dr M. Shahidul Islam</b>	PhD (Manufacturing Operations) (Dublin City University, Ireland) MEng (Industrial and Production Engineering) (Bangladesh University of Engineering & Technology) B.Sc (Mechanical Engineering) (Bangladesh University of Engineering & Technology)	
<b>Dr Hushairi Zen</b>	PhD in Engineering (Australia) MEng (Electronic and Telecommunication) (UNIMAS) BEng (Hons) (Electronic and Telecommunication) UNIMAS	
<b>Dr Abdullah Yassin</b>	BEng (Hons) (Mechanical engineering and Materials) (UKM) MSc (Computer Integrated Manufacturing) (Loughborough University) Dr. Eng (Marchhining) (Kanazawa University)	BEM : 70682A



<b>Dr Thelaha Masri</b>	PhD (Electrical Engineering) (UTM) MEng (Electronics & Telecommunication) (UNIMAS) BEng (Hons) (Electronics & Telecommunication) (UNIMAS) Dip. (Electrical Engineering) (UiTM)	
<b>Dr Shanti Faridah Salleh</b>	PhD (Chemical Engineering)UPM MSc (Advanced Process Eng) Loughborough Uni. BEng (Hons) (Chemical Engineering) Loughborough University	BEM : 43044A
<b>Ir. Dr Mohammad Shahril Osman</b>	PhD (Mechanical Engineering)(Loughborough University, UK) BEng (Hons)(Mechanical Engineering)(Loughborough University, UK)	BEM : 13355
<b>Dr Siti Noor Linda Taib</b>	PhD (Geotechnical Engineering)(University of Manchester, United Kingdom) BSc (Civil Engineering) (Case Western Reserve University, Ohio, USA)	BEM : 49452A IEM : G28840
<b>Dr Delsye Teo Ching Lee</b>	PhD (Civil Engineering) (Universiti Malaysia Sabah) BEng (Civil and Construction) (Curtin University of Technology, Perth) DipEng (Civil Engineering) (Inti College Malaysia)	BEM : 38838A IEM : G23436
<b>Dr Onni Suhaiza Selaman</b>	MEng (Engineering Management)(UTM) BEng (Hons)(Civil Engineering)(UTM) DipEng (Civil Engineering) (UTM)	BEM : 30057A
<b>Dr Siti Halipah Ibrahim</b>	PhD (University of Leeds, UK) M.Sc (Housing) (University of Science Malaysia, Penang) B.Sc.(HBP) (University of Science Malaysia, Penang)	
<b>Dr Rubiyah Baini</b>	PhD (Chemical Engineering - Drying Technology)(Aus) MSc. (Eng) (Process Safety and Loss Prevention)(UK) BEng (Chemical and Process Engineering)(UKM, Bangi)	BEM : 37019

<b>Dr. Ivy Tan Ai Wei</b>	PhD (Chemical Engineering) (USM) BEng (1st Class Honours) (Chemical Engineering) (UTM)	BEM : 60933A
<b>Dr Wan Azlan Wan Zainal Abidin</b>	PhD (Computer Science & Communication) ( Kyushu University, Japan) MEng (Telecommunication)(University of Technology Sydney, Australia BEng (Hons)(Electronics and Communication)(University of Bristol, UK)	BEM : 66682A
<b>Dr Kismet Hong Ping</b>	PhD (Systems Science) (Nagasaki University, Japan) MSc (Digital Communication Systems) (Loughborough University, UK) BEng (Hons) (Electronics and Telecommunication Engineering) UNIMAS	BEM : 37017A
<b>Dr Tay Kai Meng</b>	PhD in Electrical and Electronic Engineering, USM, Malaysia Master of Science in Electrical and Electronic Engineering, USM, Malaysia Bachelor of Engineering (Hons) in Electrical and Electronic, University of Hertfordshire, UK	
<b>Dr Nordiana Rajae</b>	PhD (DNA Computing) (Mayji University, Japan) MSc (Microelectronics) (University of Newcastle Upon Tyne) BSc (Hons) Electronics and Information Engineering (Kyushu Institute of Technology)	BEM : 37013
<b>Dr Abu Saleh Ahmed</b>	PhD (Energy) (Kyoto University, Kyoto) MEng (Mechanical) (UM, Kuala Lumpur) BScEng (Hons) (Mechanical) (BUET, Dhaka) Member of Institute of Engineers Bangladesh (MIEB)	
<b>Dr Magdalene Andrew Munot</b>	PhD (Remanufacturing) (Monash University, Australia) MSc (Manufacturing System Engineering) (UPM) BEng (Hons) (Chemical & Bio Process Engineering) (Bath University, UK)	BEM : GE42852



<b>Dr Syed Tarmizi Syed Shazali</b>	MSc (Eng) (Advanced Manufacturing Systems) (Liverpool) BEng (Hons) (Mechanical) (UiTM) Diploma in Mechanical Eng (UTM)	BEM : GE29445A
<b>Dr Abdul Razak Abdul Karim</b>	PhD (Civil Engineering)(University of Auckland, New Zealand) MSc Structural Engineering, Cardiff University, Wales, UK. BEng (Hons) Civil Engineering, Universiti Malaysia Sarawak.	BEM : 34227
<b>Dr Norazzlina M. Sa'don</b>	PhD (Civil Engineering)(University of Auckland, New Zealand) MSc (Distinction) Civil Engineering, Cardiff University, Wales, UK. BEng (Honours) Civil Engineering, Universiti Malaysia Sarawak.	BEM : 33626
<b>Dr Lakshmanan a/l Gurusamy</b>	PhD (Universiti Kebangsaan Malaysia) MSc (Universiti Kebangsaan Malaysia) Engineering Council Part II (Engineering Council, UK)	BEM : 33039R
<b>Dr Mohd Danial Ibrahim</b>	Dr. Eng (Science & Technology) (Tokai University, Japan) MEng (Mechanical Engineering) (Tokai University, Japan) BEng (Hons) (Mechanical Engineering) (Tokai University, Japan) Grad IEM	BEM : GE52109A
<b>Dr Lim Soh Fong</b>	PhD (Chemical Engineering) (National University of Singapore) BEng (1st Class Honours) (Chemical Engineering) (UTM)	BEM : 60360R
<b>Dr Khairuddin Sanaullah</b>	PhD (Chemical Engineering) (University of Birmingham, UK) MSc (Nuclear Engineering) (Quaid-e-Azam University, Islamabad Pakistan) B.Eng (Chemical Engineering) (N.E.D University Karachi, Pakistan)	
<b>Dr Leonard Lim Lik Pueh</b>	PhD (Environmental Geotechnics) (Cantab) MEng (Civil - Environmental Management)(UTM) BEng (Civil - Environmental)(UTM)	BEM : 46408A IEM : 25755

<b>Dr Darrien Mah Yau Seng</b>	Post-Doc (USM) PhD (Water Resources Engineering) (UNIMAS) MEng (By Research) (Civil Engineering) (UNIMAS) BEng (Hons) (Civil Engineering) (UNIMAS) Diploma in Civil Engineering (Politeknik Ungku Omar, Ipoh)	BEM : 44507 R IEM : G 24079
<b>Dr Nicholas Kuan Hoo Tien</b>	PhD (Engineering) ( The University of Liverpool, UK) MSc (Advanced Engineering Materials) (The University of Liverpool, UK) BEng (Hons)(Materials Engineering) (Universiti Sains Malaysia)	BEM : GE49529 R IEM : G 27506
<b>Ir. Ting Sim Nee</b>	MEng (Engineering Management) (RMIT University, Melbourne) BEng (Hons) (Civil Engineering) (University of Melbourne) Victorian Certificate of Education (Wesley College, Melbourne)	BEM : 13892 IEM : 23438
<b>Rosmina Ahmad Bustami</b>	MEng Civil Engineering (Hydraulics) (UNIMAS) BEng (Hons)(Civil Engineering)(UNIMAS)	BEM : 62077 R
<b>Abd Azim Abdullah</b>	MEngSc (Structural Engineering) (University of New South Wales) BEng (Hons) (Civil Engineering) (UKM)	BEM : 51574A
<b>Ahmad Kamal Abdul Aziz</b>	MEng (Geotechnical Engineering)(University of Manchester) BEng (Hons)(Civil Engineering)(University Teknologi Mara)	
<b>Azida Rashidi</b>	MEng (Civil) (Uni of Canterbury) BEng (Hons) (Civil) (Salford University)	
<b>Dygku Salma Awg Ismail</b>	MSc. (Geotechnique)(UiTM, Shah Alam) BEng (Hons)(Civil Engineering)(UiTM, Shah Alam) Dip (Civil Engineering) (UiTM, Kota Samarahan)	BEM : 52619A
<b>Gaddafi Ismaili</b>	MSc (Structural Engineering) (USM) BEng (Hons) (Civil Engineering) (UNIMAS)	BEM : 54864A

	DipEng (Civil Engineering) (UiTM) Pre-Science (ITM)	IEM : G34314
<b>Larry Silas Tirau</b>	MEng (Civil- Highway And Transportation)(UTM) BEng (Hons) (Civil)(UTM)	BEM : 53063A
<b>Nor Azalina Rosli</b>	MSc. (Environmental Engineering) (USM) BEng (Hons) (Civil Engineering) (USM)	
<b>Norazlina Bateni</b>	MEng (Civil-Hydrology and Water Resources) (UTM) BEng (Hons) (Civil Engineering) (UNIMAS)	
<b>Norsuzailina Mohamed Sutan</b>	MSc (Structural Engineering and Construction)(UPM) BSc (Civil Engineering)(CSULB,USA)	BEM : 37011 A
<b>Ron Aldrino Chan @ Ron Buking</b>	MSc (Road Management and Engineering) (with merit) (University of Birmingham) BEng (Hons) (Civil) (UNIMAS) Diploma (Civil Engineering) (UTM)	IEM : G 29605
<b>Rohaida Affandi</b>	MSc (Construction Management) (UTM) BSc (Construction Management) (UTM)	
<b>Charles Bong Hin Joo</b>	Graduate Engineer (Civil),IEM, BEM. MEng (Civil-Hydraulics & Hydrology) (UTM). BEng (Hons) (Civil) (UNIMAS). Dip. (Civil) (Polytechnic Kuching).	
<b>Jethro Henry Adam</b>	MEng (Environmental Engineering)(University of Newcastle upon Tyne, UK) BEng (Hons)(Civil Engineering)(USM)	
<b>Idawati Ismail</b>	MEng (Civil and Structure) (UTM, Johor) BEng (Hons) (Civil Engineering) (UTM, Johor)	
<b>Mohamad Raduan Kabit</b>	MSc. In Transport Planning and Engineering (University of Southampton, U.K.) BEng (Hons)(Civil Engineering)(Universiti Malaysia Sarawak, Malaysia)	BEM : 55632A

<b>Zamri Bujang</b>	MSc (Highway and Transport Engineering) (University Putra Malaysia) Bachelor (Hons.) (Surveying Science and Geomatic) (Universiti Teknologi MARA)	
<b>Fauzan Sahdi</b>	BEng. (Hons) - Civil (Universiti Malaysia Sarawak)	BEM : 55127A
<b>Raudhah Ahmadi</b>	Tutor (On Study Leave)	
<b>Sakena Abdul Jabar</b>	MPhil (Optical Communication Engineering) (University of Hertfordshire, Hatfield, UK) M.Sc (Optoelectronic Systems), MMU, Manchester, UK B.Sc Hons (Industrial Physics), UTM, Skudai, Johor Diploma In Science, UITM, Shah Alam	
<b>Kasumawati Lias</b>	MEng (Electric-Electronic & Telecommunication)(UTM) BEng (Hons)(Electronic & Telecommunication Engineering)(UNIMAS)	BEM - 49439A IEM - G31739
<b>Mohd Faizrizwan Mohd Sabri</b>	MEng (Electronic)(La Trobe, AUS) BEng (Electric & Electronic)(Nagasaki, JPN)	BEM : 71933A
<b>Ng Liang Yew</b>	MSc (Electrical Engineering) BSc (Electrical Engineering)	BEM : 37018A
<b>Nurdiani Zamhari</b>	MEng (Electric-Electronic & Telecommunication)(UTM) BEng (Hons) (Microelectronic Engineering)(UKM)	
<b>Sharifah Masniah Wan Masra</b>	MSc (Electronic)(Cardiff, UK) BEng (Hons)(Telecommunication)(UM)	BEM : 37014R
<b>Ir. David Bong Boon Liang</b>	MSc (Computer Control & Automation)(NTU, Singapore) BEng (1st Class Hons)(Electrical Engineering)(UTM)	BEM : 13195 IEM : 17676

<b>Ade Syaheda Wani Marzuki</b>	MEng (Electric-Electronic & Telecommunication)(UTM) BEng (Hons)(Electronic & Telecommunication Engineering)(UNIMAS)	BEM : 57645A
<b>Hazrul bin Mohamed Basri</b>	MEng (Electrical Engineering)(Universite de Technologie de Belfort Montbeliard, France) BEng (Hons)(Electrical Engineering)(Universite de Technologie de Belfort Montbeliard, France)	BEM : GE82820A
<b>Martin Anyi</b>	MEng (Computer and Telecommunication)(UKM) BEng (Hons)(Electronics and Telecommunication)(UNIMAS)	
<b>Ngu Sze Song</b>	MEng (Electrical Engineering)(University of Adelaide, South Australia) BEng (Hons)(Electronics Engineering)(Multimedia University, Cyberjaya)	
<b>Norhuzaimin Julai</b>	MSc (Advanced Electronic Engineering)(Warwick, UK) BSc (Hons)(Electrical and Computer Engineering)(Ohio State University)	
<b>Dayang Azra Awang Mat</b>	MEng (Computer and Communication) (UKM) BEng (Hons) (Electronic and Telecommunication) (UNIMAS)	
<b>Rohana Sapawi</b>	MSc (Microelectronics) (UKM) BEng (Hons) (Electrical and Electronics) (UPM)	
<b>Dyg Nur Salmi Dharmiza Awg Salleh</b>	MEng (Electronics and Applied Physics) Tokyo Institute of Technology BEng (VLSI System Design) Ritsumeikan University	
<b>Hazmi Hijazi Abdul Halim</b>	M.Eng ( Electrical and Electronic System )(Tokai University, Japan ) B.Eng (Electrical and Electronic Engineering) (Tokai University, Japan )	

<b>Abdul Hafiz Abdul Karim</b>	Tutor (On Study Leave))	BEM : 79808A
<b>Azfar Satari Abdullah</b>	BEng(Electronics & Telecommunication Engineering) (UNIMAS)	
<b>Maimun Huja Husin</b>	MEng (Electric - Mechatronics & Automatic Control) (UTM) BEng(Electronics & Telecommunication Engineering) (UNIMAS)	BEM : 57646A
<b>Asrani Lit</b>	MEng (Electrical - Microelectronics & Computer System) (UTM) BEng (Hons) (Computer Engineering) (UTM)	BEM : 0816A
<b>Shafrida Sahrani</b>	M.Eng (Computer Sciences - Mobile Networks)(Tokyo University of Technology, Japan) B.Eng (Information Networks)(Tokyo University of Technology, Japan)	
<b>Shamsiah Suhaili</b>	MSc. (Electrical & Electronic Engineering)(USM) BEng. (Hons)(Electrical& Electronic Engineering)(USM)	
<b>Annie Joseph</b>	Msc (Mathematics) (USM, Malaysia) BEng (Hons) (Electrical Engineering) (Kuittho, Malaysia)	
<b>Kuryati Kipli</b>	MSc. Electronic and Computer Engineering (University of Birmingham, UK) BEng(Hons) Electronic and Computer Engineering (UNIMAS)	
<b>Dr Siti Kudnie Sahari</b>	MSc (Microelectronics)(Universiti Kebangsaan Malaysia) BEng (Hons)(Electronics and Telecommunication Engineering)(UNIMAS)	BEM : GE50652A
<b>Tengku Mohd Afendi Zulcaffle</b>	MSc. (Intelligent Systems) (UPM) BEng (Hons) (Electronics/Computer) (UPM)	
<b>Kho Lee Chin</b>	MEng Electrical Engineering (Adelaide University, Australia) BEng (Hons)Electronics	

	Engineering(Multimedia University, Malaysia)	
<b>Ervina Junaidi</b>	MSc (Mechanical Engineering)(University of Leeds, UK) BEng (Hons)(Mechanical and Manufacturing Systems Engineering)(UNIMAS) Dip. (Mechanical Engineering) (UTM)	BEM : 43045A
<b>Abang Mohd Nizam Abang Kamaruddin</b>	MEng (Mechanical Engineering) (University of Adelaide, Australia) BEng (Hons) (Mechanical Engineering & Manufacturing System) (UNIMAS) Dip. (Mechanical Engineering) (Kuching Polytechnic)	
<b>Mohamad Iskandar Jobli</b>	MSc (Energy)(Heriot Watt, Edinburgh) BEng (Hons)(Mechanical and Manufacturing Systems Engineering)(UNIMAS)	BEM : 67704A
<b>Noor Hisyam Noor Mohamed</b>	MEng (Mechanical System Engineering)(Takushoku University, Tokyo) BEng (Hons)(Mechanical System Engineering)(Takushoku University,Tokyo)	
<b>Shirley Johnathan Tanjong</b>	M.Sc (Mechanical Engineering- Manufacturing Modeling)(University of Bath,UK) BEng (Hons) (Mechanical Engineering)(Universiti Tenaga Nasional)	BEM : 64242R
<b>Siti Nor Ain Musa</b>	MEng (Mechanical System Engineering)(Gunma University, Japan) BEng (Mechanical System Engineering)(Gunma University, Japan)	BEM : 52808A IEM : G34860
<b>Annisa Jamali</b>	Msc. In Mechatronics Engineering (International Islamic University Malaysia) BEng. (Hons) in Mechatronics Engineering (International Islamic University Malaysia)	BEM : 63088A
<b>Shahrol Mohamaddan</b>	MEng (Mechanical Engineering)(Shibaura Institute of Technology, Japan) BEng (Mechanical Engineering 2)(Shibaura Institute of Technology, japan)	

<b>Rasli Muslimen</b>	MSc. (Manufacturing)(Conventry, UK) BEng (Hons)(Mechanical Engineering - Aeronautic)(UTM, Skudai)	
<b>Ana Sakura Zainal Abidin</b>	MSc. (Automotive Engineering)(Conventry, UK) BEng (Mechanical Engineering)(UTM, Skudai)	BEM : 55216R
<b>Marini Sawawi</b>	MEng (Mechanical Engineering) (UTM) BEng (Mechanical Engineering & Manufacturing Systems)(UNIMAS)	
<b>Nur Tahirah Razali</b>	MEngSc (Mechanical and Manufacturing - Mechanical)(UNSW, Sydney) BEng (Hons)(Mechanical and Manufacturing System)(UNIMAS)	
<b>Mahshuri Yusof</b>	MSc (Materials for Engineering Applications)(University of Surrey, UK) BEng (Hons)(Mechanical Engineering & Manufacturing Systems)(UNIMAS)	
<b>Aidil Azli Alias</b>	MEng (Mechanical) (Ehime University) BEng (Mechanical) (Ehime University)	
<b>Hishammudin Afifi Huspi</b>	Bachelor of Engineering (Mechanical), UTM Master of Engineering (Mechanical), UTM	BEM : 66272A
<b>Mohd Azrin Mohd Said</b>	MSc in Manufacturing System Engineering (Universiti Putra Malaysia, UPM) B.Eng (Hons) in Mechanical and Manufacturing Engineering (UNIMAS)	BEM : 65600A
<b>Mohd Fareez Edzuan Abdullah</b>	Master of Engineering (Mechanical), Meiji University 2010-2012, Japan Bachelor of Engineering (Mechanical Informatics), Meiji University 2008-2010, Japan Diploma of Mechanical Engineering in Technical Japanese, Universiti Industri Selangor 2005-2008, Malaysia	BEM : 80282A

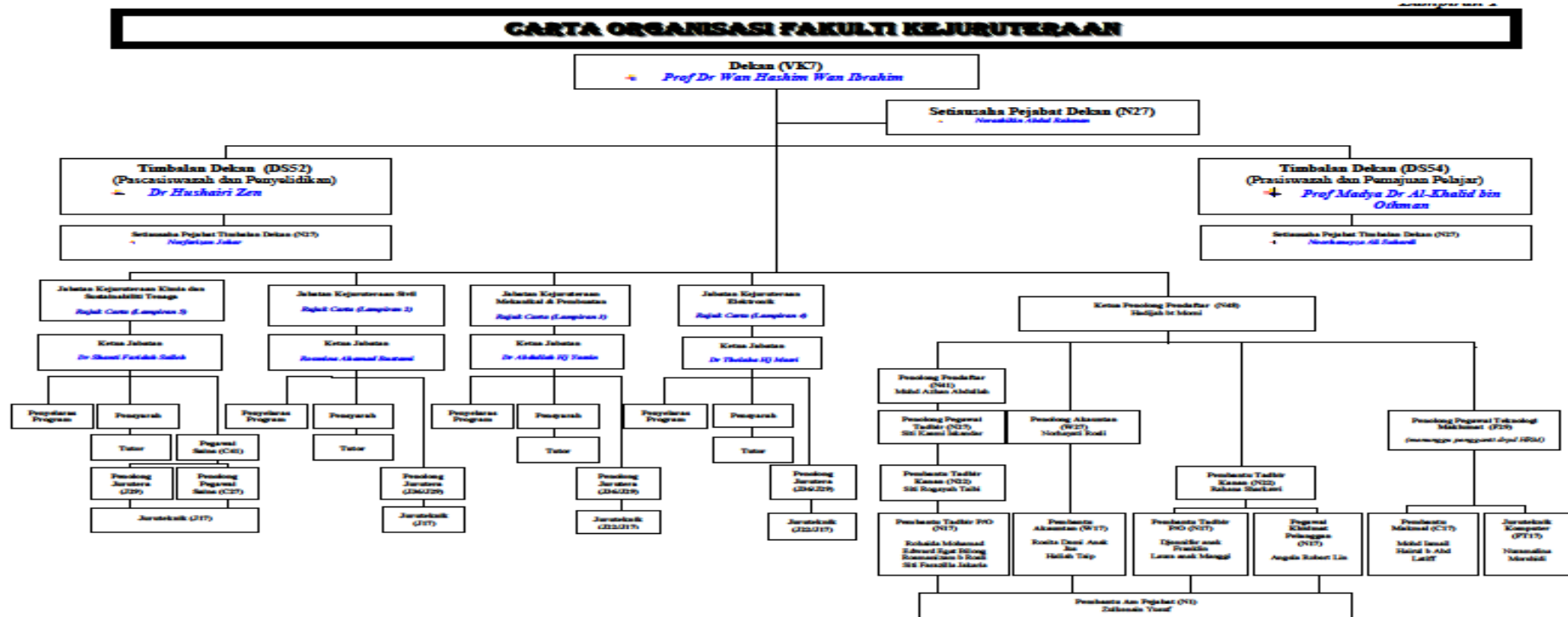


<b>Ahmad Adzlan Fadzli Khairi</b>	MEng (Mechanical) (Ritsumeikan University, Japan) BEng (Mechanical) (Ritsumeikan University, Japan)	BEM : JS85047 - no pendaftaran sementara
<b>Mohd Syahmi Jamaludin</b>	M.Eng (Mechanical System)(University of Takushoku, Japan) B.Eng (Mechanical System)(University of Takushoku, Japan)	BEM : 81239 A
<b>Muhamad Fadzli Ashari</b>	M.Eng (Meiji University, Japan) B.Eng (Meiji University, Japan) ,	BEM : 79977A
<b>Noor Aliah Abdul Majid</b>	BEng (Mechanical) ( Meiji University, Japan) MEng (Mechanical) (Meiji University, Japan)	
<b>Abg Mohd Aizuddin bin Abg Mohd Mohtar</b>	MEng (Acoustical Engineering)(Univeristy of Southampton)	
<b>Norfamila Che Mat</b>	M.EngSc. (Process Engineering) (UNSW) B.Eng (Material Science Engineering) (Kyushu University)	
<b>Nazeri Abdul Rahman</b>	MSc. (Thermal Power and Fluid Engineering)(UMIST,UK) BEng (High Hons) (Petroleum and Natural Gas Engineering) (New Mexico Tech, USA) Cert. (Practical Petroleum Engineering) (Eastern New Mexico, USA) Cert. (Lifelong Learning - Foreign Languages) (Sunderland, UK)	BEM : 37095A
<b>Mohd Farid bin Atan</b>	M.Eng (Diplôme d'Ingénieur) (Chemistry and Process Engineering) (Ecole Supérieure de Chimie Physique et Electronique de Lyon, ESCPE Lyon, FRANCE) B.Eng (Hons) (Chemistry and Process Engineering) (Ecole Supérieure de Chimie Physique et Electronique de Lyon, ESCPE Lyon, FRANCE)	BEM : GE74164A

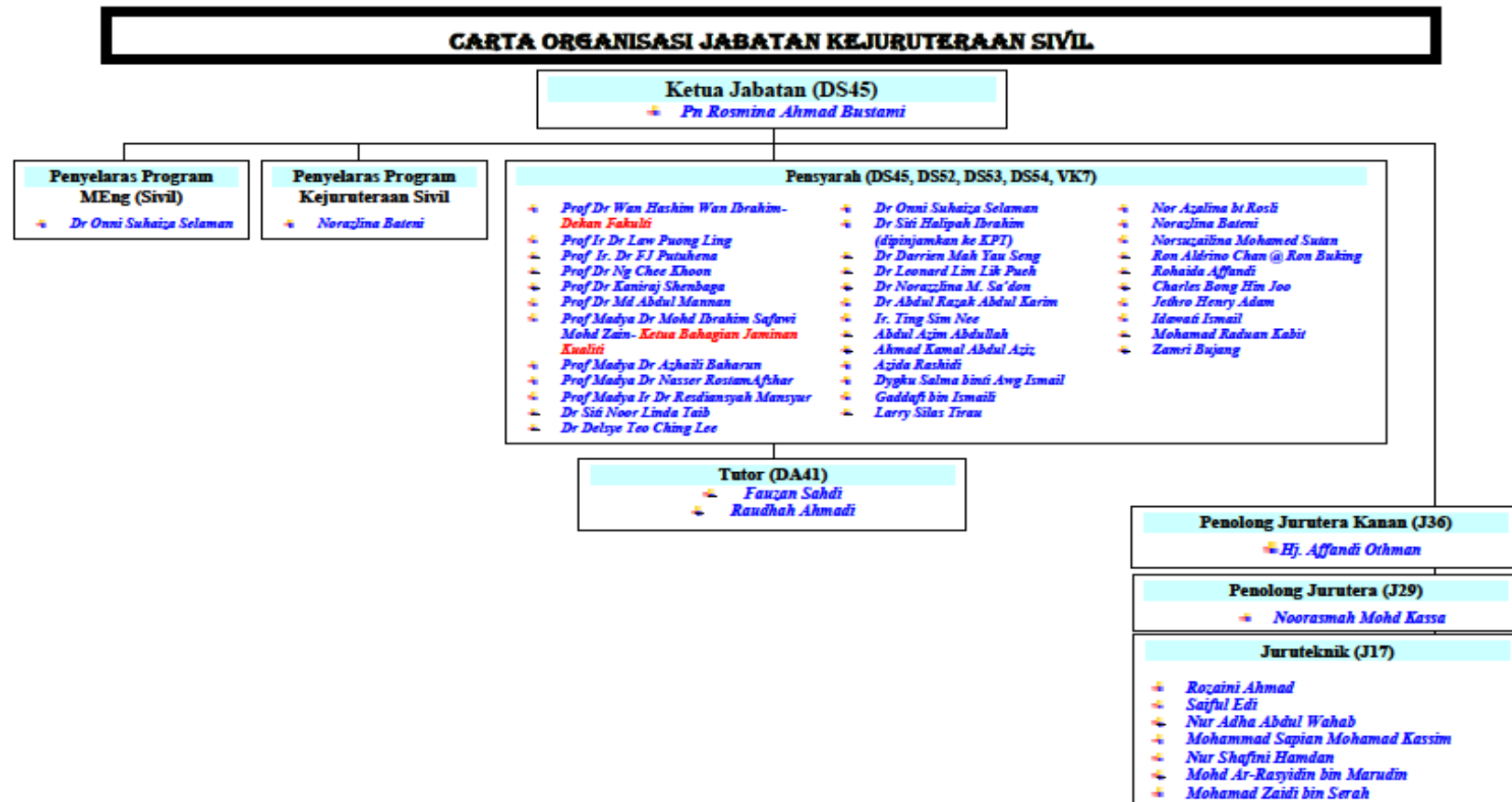
<b>Dr Md Rezaur Rahman</b>	PhD Polymer Engineering (UNIMAS) M.Phil Polymer Engineering (BUET) M Sc (Advance Polymer Technology) (CU) BSc (Hons) (Chemistry) (CU)	
<b>Nur Syuhada binti Ahmad Zauzi</b>	MSc (Polymer Engineering) (Universiti Sains Malaysia, USM, Malaysia) BEng (Polymer Engineering) (Universiti Sains Malaysia, USM, Malaysia)	BEM : 78776A
<b>Ibrahim bin Yakub</b>	M.Eng (Chemical) (Universiti Kebangsaan Malaysia) BEng (Chemical Engineering ) (UPM)	BEM : 62509A
<b>Mohamed Afizal bin Mohamed Amin</b>	MEng (Bioprocess) (Universiti Teknologi Malaysia, UTM) BEng (Chemical) (Universiti Malaysia Pahang, UMP)	BEM : GE-81899-A
<b>Khairul Anwar bin Mohd Said</b>	BEng (Chemical Engineering) (UMP) MEng (Bioprocess) (Universiti Teknologi Malaysia, Malaysia)	

# ORGANIZATION CHART

## 13.1 FACULTY OF ENGINEERING



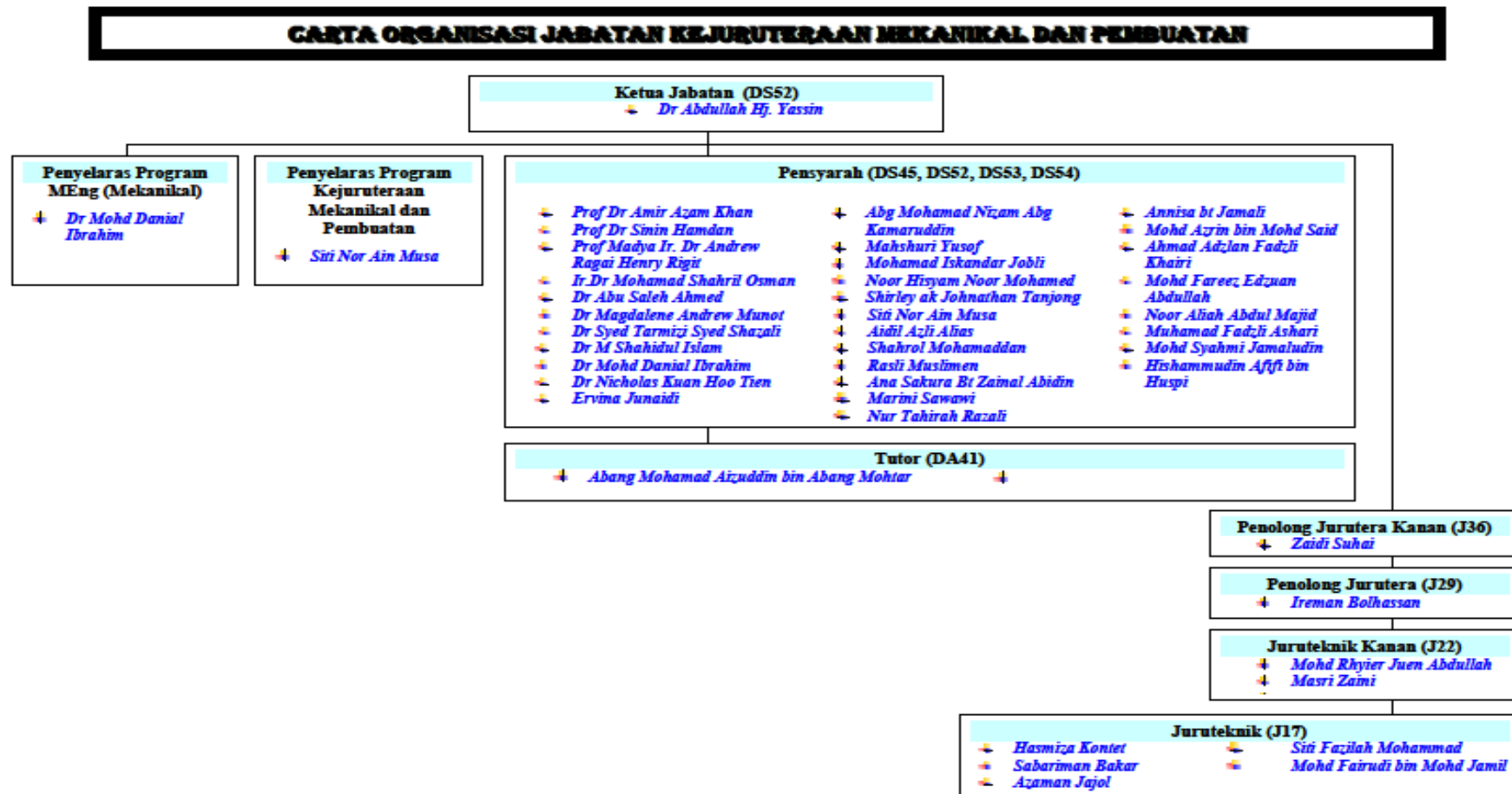
## 13.2 DEPARTMENT OF CIVIL ENGINEERING



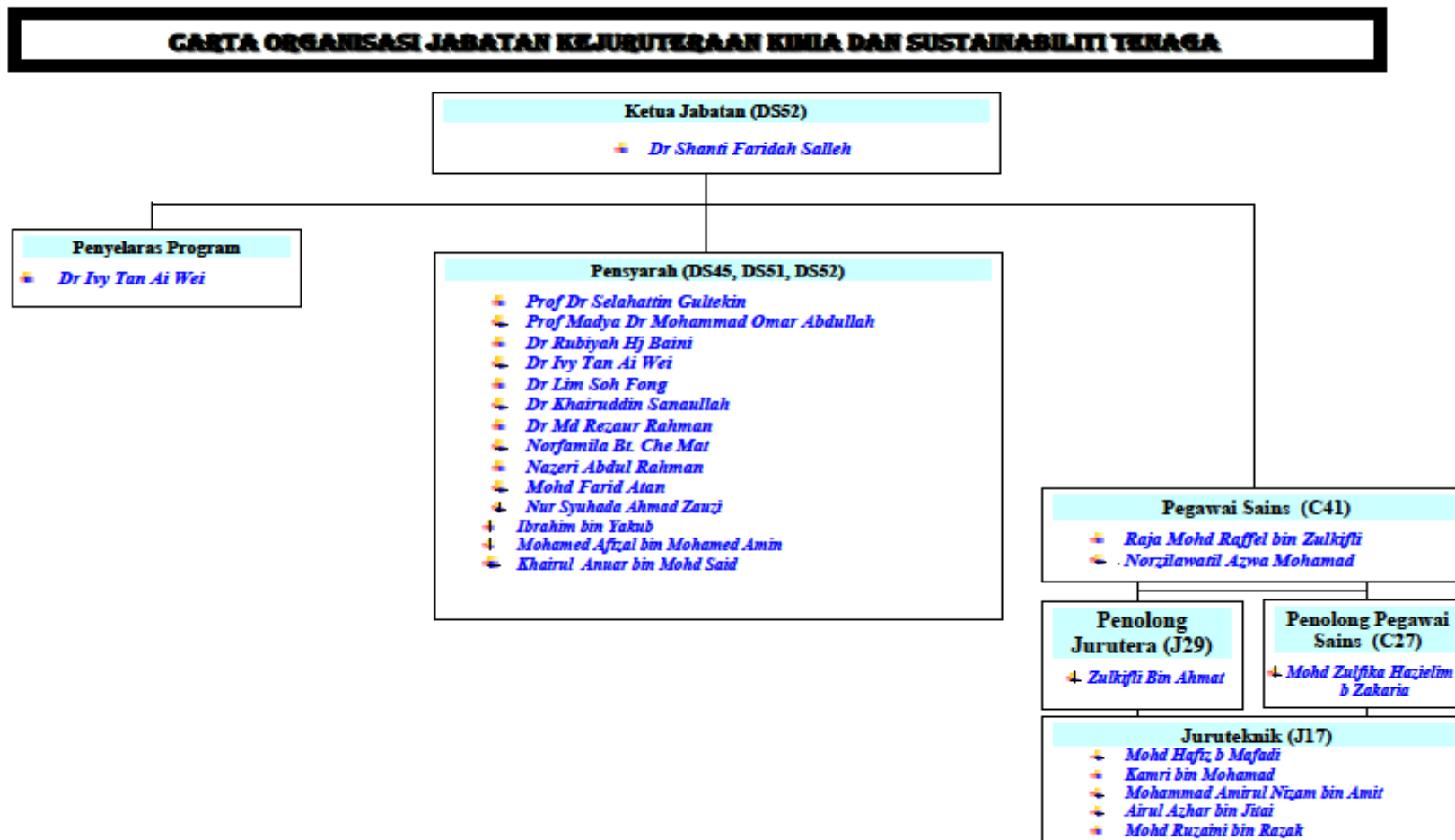
## 13.3 DEPARTMENT OF ELECTRONIC ENGINEERING



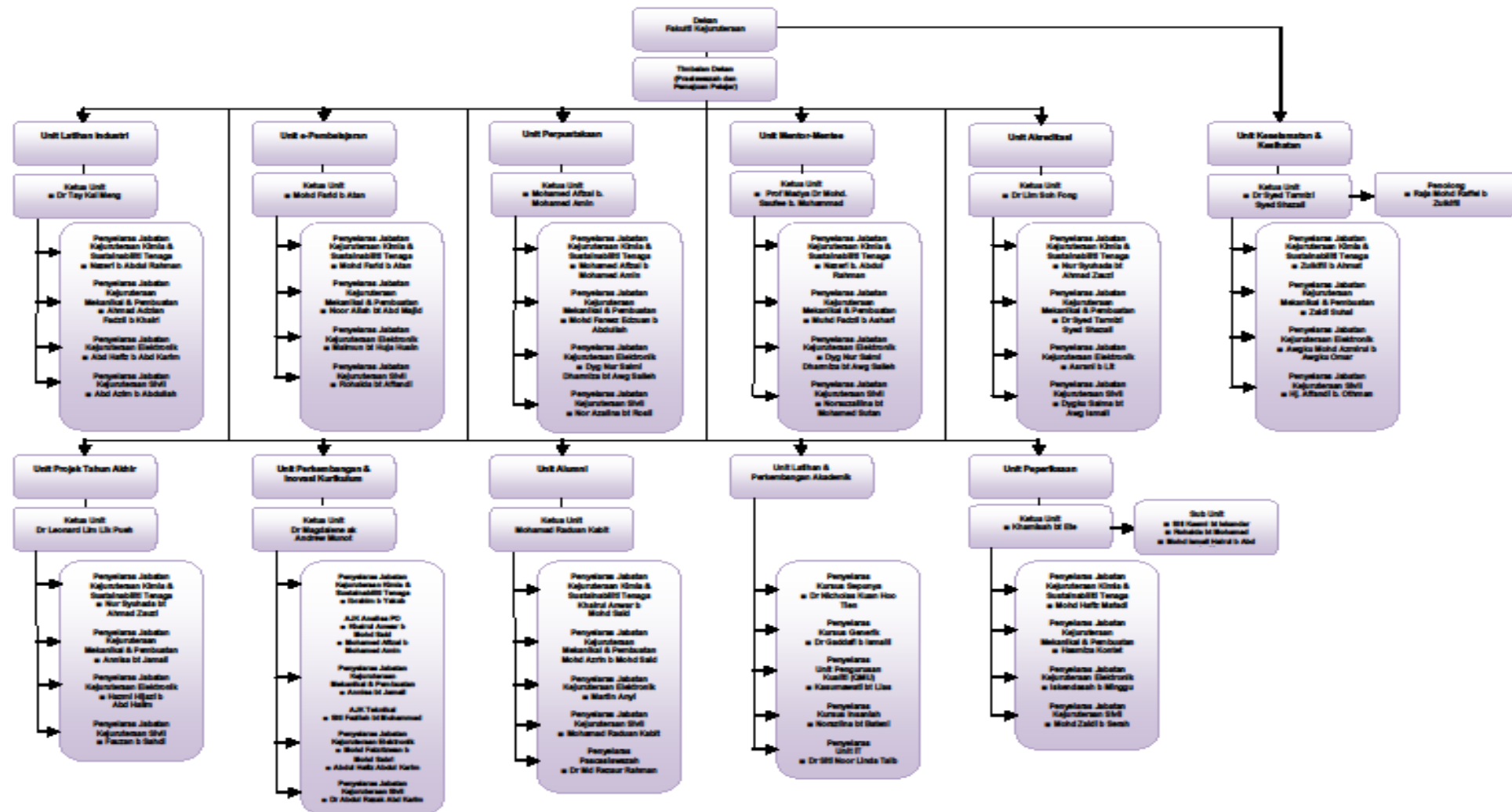
## 13.4 DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING



## 13.5 DEPARTMENT OF CHEMICAL AND ENERGY SUSTAINABILITY ENGINEERING

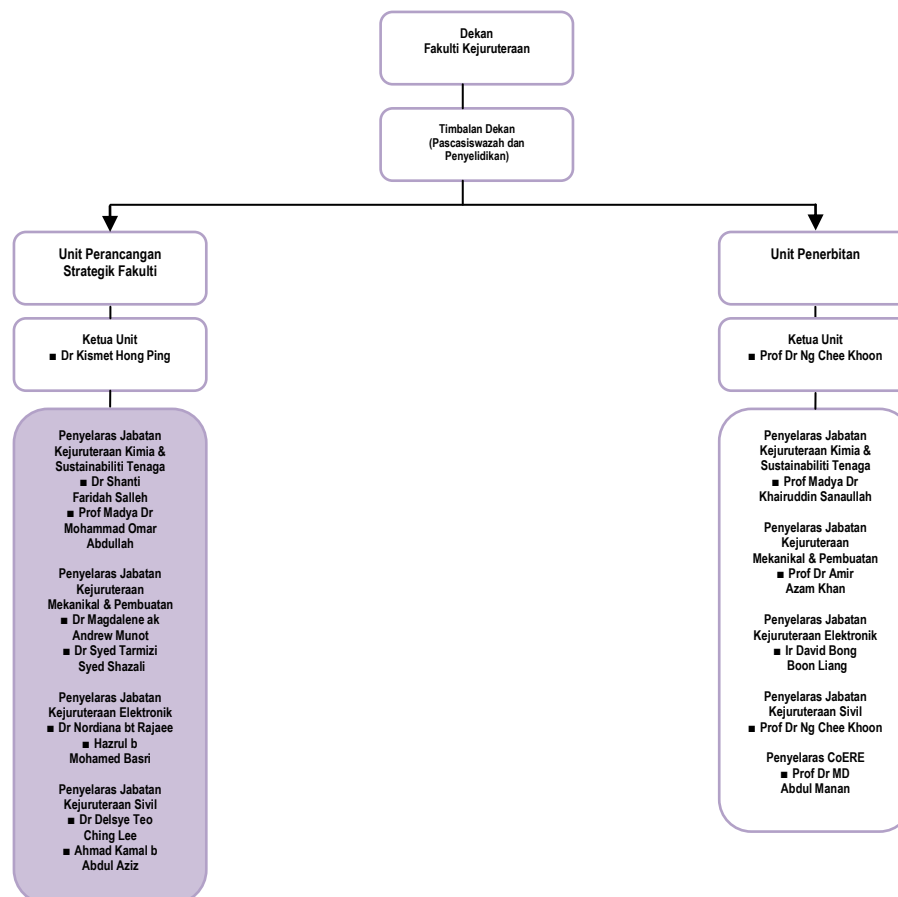


## JAWATANKUASA UNIT PENGURUSAN AKADEMIK, FAKULTI KEJURUTERAAN

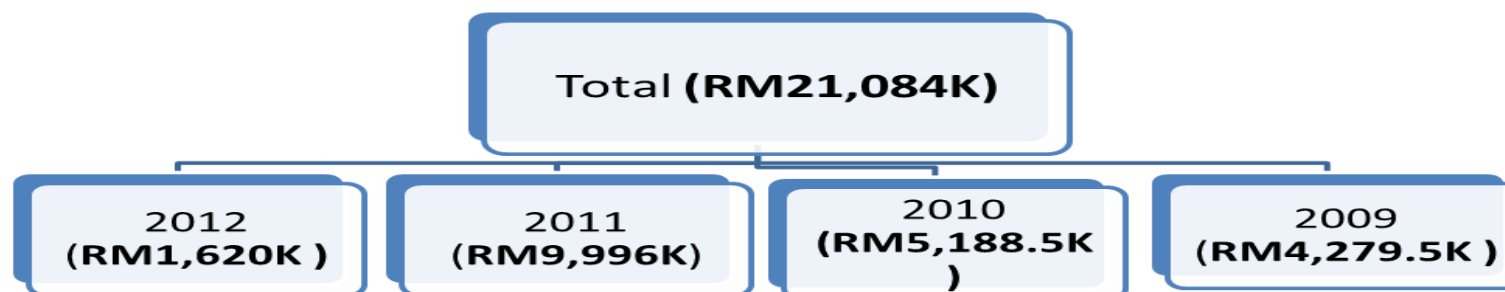




## JAWATANKUASA UNIT PASCASISWAZAH & PENYELIDIKAN / PERANCANGAN STRATEGIK, FAKULTI KEJURUTERAAN



## 14 FINANCIAL REPORT



Kod Akaun	Butiran	2013
21101	Perjalanan Dalam Negeri - Pengajaran & Pentadbiran	92,000.00
21103	Perjalanan Dalam Negeri - Latihan Industri	25,000.00
24501	Sewa Peralatan	14,000.00
26799	Bahan Kimia	74,000.00
27101	Suratkhabar & Majalah	4,000.00
27102	Alatulis & Lain-lain Bekalan Pejabat	58,000.00
27798	Bekalan Bahan Penyelidikan dan Pengajaran (Inventori)	250,000.00
27799	Bekalan Bahan Penyelidikan dan Pengajaran (Pakai Habis)	600,000.00
28901	Alat Pengajaran (Penyelenggaraan)	1,000,000.00
29107	Latihan Pendek Kakitangan (Bukan Akademik)	5,000.00
29116	Latihan Pendek Kakitangan (Akademik)	3,000.00
29302	Syarahan Sambilan	60,000.00
29411	Keraian Pejabat	20,000.00
29415	Cenderahati	1,000.00
A33000	Alat Pengajaran & Penyelidikan	-
<b>Jumlah (RM)</b>		<b>2,206,000.00</b>

## 2012 MAJOR OUTCOMES AND QUICK WINS 2012-2013

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No	Major Output 2012
1	Accreditation on all programs and approval of new program by BEM & MQA
2	Successfully conducted ENCON (Flagship Engineering conference)
3	Received about RM10 Million on design and build project (community based)
4	Increased numberof industrial linkage activities.
5	Increased number of Student activities at UNIMAS and national level (award)
6	Established group in Micro hydro design and development
7	High number grant received (RM)
8	Establishment of new program (Electrical & Electronic)
9	Establishment of QMS

## 2012 NEWS PAPER CUTTING

# Harnessing nature's gift

*The Borneo Post/July 11, 2012/pg 1*

### CM calls on engineers to share ideas on how to develop water resources

By Geryl Ogilvy Russell  
reporters@theborneopost.com

**KUCHING:** Chief Minister Pehin Sri Abdul Taib Mahmud has called on local and foreign engineers to share their expertise to find ways on how to develop the state's rich water resources not only for hydro power but for conservation and other developmental uses.

He said the state with its vast river network had an abundance of resources to generate energy for industrial use, especially in Sarawak Corridor of Renewable Energy (SCORE).

"The abundant resources must be utilised in stages according to the state's ability to invest in better control of water. This is also to avoid problems especially in line with climate changes.

"It is understood that we will face more periods of drought in South East Asia. This calls for a long-term plan to make sure that we can spread out the supply of water to be able to fend for ourselves in times of droughts," said Taib, who is also pro-chancellor of Universiti Malaysia Sarawak (Unimas) here.

He made the call when officiating at the Fifth Engineering Conference (Encon 2012) themed 'Engineering Towards Change - Empowering Green Solutions' here yesterday, which was organised by Unimas and Institution of Engineers Malaysia (IEM) Sarawak branch.

Also present were Unimas vice-chancellor Prof Datuk Dr Khairuddin Abdul Hamid, deputy vice-chancellor (Research and Innovation) Prof Dr Peter Songan, Faculty of Engineering dean Prof Dr Wan Hashim Wan Ibrahim, Construction Industry Development Board (CIDB) Malaysia chairman Datuk Hamzah Hassan and Encon 2012 chairperson Dr Delsye Teo Ching



OPENING: Taib launches the Encon 2012 witnessed by (from left) Songan, Hamzah, Khairuddin and Teo. — Photo by Tan Song Wei

Lee.

Taib also advised future conferences to look at problems not prevalent in the rest of the country such as peat soil engineering, citing the more than two million hectares of soft soil and peat soil in the state as one of the obstacles for

See also Page 3

infrastructure development.

Touching on Encon 2012, he believed it would allow sharing and dissemination of the latest findings on how to put to the

**The abundant resources must be utilised in stages according to the state's ability to invest in better control of water.**

Pehin Sri Abdul Taib Mahmud, Chief Minister

frontier mankind's effort to ensure the development of the future through green technology.

Khairuddin in his speech earlier, stated that some of the key focus areas to be presented and discussed included sustainable building and structure systems, green transport systems, geo-technical and geo-environmental engineering, sustainable water,

energy efficiency and advanced manufacturing technology for the future.

More than 140 papers had been received for the conference from countries worldwide including Australia, Canada, China, Germany, Greece, India, Indonesia, Iraq, Iran, Jordan, New Zealand, Nigeria, Pakistan, Saudi Arabia, Singapore, Taiwan,

United Arab Emirates, United Kingdom, United States and Malaysia.

Among the keynote speakers were Hamzah, Prof Simon Beecham from University of South Australia and Prof Tan Kiang Hwee of National University of Singapore. Speakers from B.S Abdur Rahman University of India, Unimas, UiTM were among the 90 participants of the conference.

The conference is also supported by Sarawak Convention Bureau, Zeccon Bhd and KKB Engineering Bhd.

**Harnessing nature's gift, 11 July 2012, The Borneo Post**

# S'wak to have more satellite towns — CM

Beryl Ogilvy Ruskeith  
reporters@theborneopost.com

**KUCHING:** More satellite towns will be established in the future to complement the large cities to avoid falling victim to problems of rapid urbanisation.

In a call for greater development and use of new technologies, Chief Minister Pehin Sri Abdul Taib Mahmud said the state had a development model of its own and did not aspire to have big cities to avoid the rapid increase in cost of living.

"The plan is for the state to have a lot of smaller towns near a big city such as Kuching.

"To have a society that is wide-spread to moderate-size towns seen in New Zealand and Scandinavian countries would be the best model here and we are trying to develop along this line."

"With this, we will be able to enjoy prosperity while maintaining the ever important quality of life," explained Taib after officiating at the Fifth Engineering Conference (Encon) 2012 at Pullman Hotel here.

With this, we will be able to enjoy prosperity while maintaining the ever important quality of life.

Pehin Sri Abdul Taib Mahmud, Chief Minister

The conference, organised by Universiti Malaysia Sarawak (Unimas) and Institution of Engineers Malaysia (IEM) Sarawak branch, was themed 'Engineering Towards Change — Empowering Green Solutions'.

Highlighting that the country had been struggling to improve its environmental record in tandem with efforts to achieve greater success in economic development, he said the state had thus far succeeded in achieving quite a reasonable development while sustaining its environment.

"The state is slowly catching up in development.

"We used to be third from the bottom when compared to other states in terms of development but today we are in the top four."

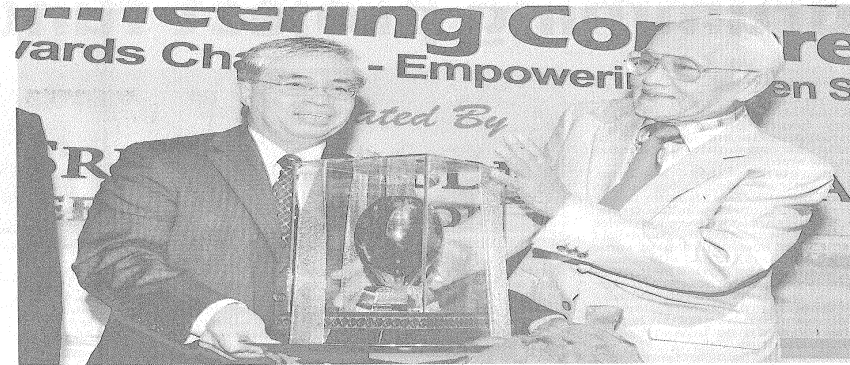
"Our vision is for the state to

achieve number one come 2030," he continued.

He also said the state was going intensively into industrialisation by focussing on smelting technology in the Sarawak Corridor of Renewable Energy (SCORE), highlighting that research in the field would provide more practical usage to the state and that an agreement had already been signed with Swinburne University of Melbourne on how to improve smelting technology by using lower heat.

"Conserving energy is a very important matter.

"It is understood that if we can reduce some of this energy by one degree from the present 800 degrees to melt down aluminium we can save a lot of money," explained Taib.



APPRECIATION: Taib receives a memento from Unimas vice-chancellor Prof Datuk Dr Khairuddin Abdul Hamid (left) after the former officiated at the opening of the Encon 2012 yesterday. — Photo by Tan Song Wei

## Sarawak to have more satellite towns – CM, 11 July 2012, The Borneo Post

# Unimas inks MoU with Tokuyama Corporation

By Lee Ya Yan  
reporters@theborneopost.com

**KOTA SAMARAHAN:** The belief that no corporation could prosper without good human resources has driven Tokuyama Corporation of Japan to establish collaboration in research activities with Unimas Malaysia Sarawak (Unimas).

Unimas' graduate students would be able to further their studies at Yamaguchi University, Japan under the support of Tokuyama Corporation with the signing of Memorandum of Understanding (MoU) between the three parties at Unimas campus here yesterday.

The students would then have the opportunity to work at the corporation's polycrystalline silicon plant in Samalaju Industrial Park.

Apart from that, other activities outlined in the MoU included joint research activities, students and staff exchange between the two universities, exchange of academic information and publications as well as conducting of conferences, lectures and seminars.

We also hope that we can play a certain part in the economic growth of Sarawak as well as to boost local businesses.

Seiichi Shiraga, Tokuyama Corporation advisor

The signing ceremony was witnessed by Assistant Minister in the Chief Minister's Office (Promotion of Technical Education) Datu Len Talif Salleh.

Tokuyama Corporation advisor Seiichi Shiraga said at the signing ceremony that besides sponsoring graduate students of Unimas to further their studies in Yamaguchi University, they would also provide research grant to Unimas to conduct power related studies.

The corporation established in 1918 had long collaborated with Yamaguchi University, the third oldest university in Japan, in research activities, he added.

On the plant in Bintulu, he expressed his hope that the investment could help to create



FOR CLOSE COLLABORATION: Khairuddin (second left) exchanges the MoU with Hiroshi (second right), witnessed by Len (third left) and other guests.

job opportunities for the state.

"We also hope that we can play a certain part in the economic growth of Sarawak as well as to boost local businesses."

Yamaguchi University vice president Dr Hiroshi Matsuda said he believed that the MoU would

help to enhance the status of the university among Malaysian students.

He pointed out that Malaysian was the second largest group of foreign students in the university in 2011, recorded at 40 students, after China.

He pledged that the university would try its best to provide the required skilled workforces for Tokuyama's plant in Bintulu.

The plant, scheduled for operation next year was expected to provide about 300 jobs to local skilled workforces.

"We hope that Yamaguchi University could act as the bridge for further collaboration between Malaysia and Japan."

The university has about 10,000 students with seven faculties and six graduate schools.

Unimas vice-chancellor Prof Datuk Dr Khairuddin Ab Hamid, meanwhile, urged academic staff and students of Faculty of Engineering, particularly, to take advantage of the MoU.

Describing the MoU as "meaningful", he said it would help to provide needed human resources for the development of Sarawak Corridor of Renewable Energy (SCORE).

"This year also marks the 30th anniversary of 'Look East Policy', a programme initiated by our former Prime Minister, Tun Dr Mahathir Mohamad in 1982 which encourages our nation to follow Japan's lead in technological and industrial development."

"Therefore, we hope to have more collaboration with our Japanese counterparts to further develop the technological industries in Malaysia, especially in the state of Sarawak."

## Unimas inks MoU with Tokuyama Corporation, 30 March 2012, The Borneo Post



## Utusan Malaysia, 6/6/2012, ms/2 Unimas anjur EnCon 2012 bulan depan

KOTA SAMARAHAN 5 Jun - Fakulti Kejuruteraan Universiti Malaysia Sarawak (Unimas) akan menganjurkan Persidangan Kejuruteraan (EnCon 2012) bertempat di Hotel Pullman selama tiga hari bermula 10 Julai depan.

Pengerusi jawatankuasa penganjur, Dr. Delsye Teo Ching Lee berkata, persidangan edisi kelima itu bertemakan *Engineering Towards Change Empowering Green Solutions*.

"Sebanyak 140 abstrak teknikal dan kertas kerja diterima dari lebih 15 negara termasuk Australia, Kanada, China, India, Jepun dan United Kingdom untuk dinilai oleh jawatankuasa.

"Daripada jumlah itu, hanya 100 kertas kerja akan dipilih untuk diterbitkan manakala kertas kerja terbaik diterbitkan dalam *Unimas e-Journal of Civil Engineering (UJCE)*," katanya dalam satu kenyataan akhbar di sini hari ini.

Menurut Ching Lee, topik yang menjadi fokus utama pada persidangan kali ini adalah Teknologi Pembuatan Lanjutan, Kajian Impak Alam Sekitar, Kelestarian Alam Sekitar, Bangunan Hijau dan Bahan, Kejuruteraan Geoteknikal dan Geo-persekitaran, Tenaga Boleh Diperbaharui serta Nyah-kontaminasi Tanah.

Antara tetamu yang dijadual menyampaikan ucapan ialah Pengarah Lembaga Pembangunan Industri Pembiayaan (CIDB), Datuk Ir. Hamzah Hasan serta dua penyelidik terkemuka, Profesor Simon Beecham (University of South Australia) dan Prof. Tan Kiang Hwee (National University of Singapore).

"Kita juga akan menganjurkan bengkel setengah hari bertajuk *Geo-environmental Engineering for Sustainable Development* yang disampaikan Prof. Shenbaga Rajaratnam Kaniraj Jeyachandran, Dr. Siti Noor Linda Taib dan Dr. Leonard Lim Lik Peh pada hari terakhir persidangan.

"Bengkel ini akan membincangkan mengenai ancaman semula jadi dan buatan manusia serta pengurusan risiko ancaman di negara ini khususnya di Sarawak," katanya.

Maklumat lanjut mengenai EnCon boleh didapati di laman web [www.feng.unimas.my/encon2012/](http://www.feng.unimas.my/encon2012/) atau menerusi talian 082-563273 atau e-mel kepada [encon2012@feng.unimas.my](mailto:encon2012@feng.unimas.my).

Unimas anjur Encon 2012 bulan depan, 6 Jun 2012, Utusan Malaysia

## The Borneo Post COERE promoting new energy

By Saiful Bahari

KOTA SAMARAHAN: Centre of Research Excellence for Renewable Energy (COERE) of Unimas yesterday sealed a collaboration with the Centre of Renewable Energy (CRE) of Pakistan's Quaid-e-Awam University of Engineering, Science and Technology (Quest) in a ceremony held here yesterday.

In his speech before the ceremony, Unimas vice chancellor Prof Datuk Dr Khairuddin Abdul Hamid said that there were ample opportunities for renewable energy and green technology in both Malaysia and Pakistan.

"I hope that with this collaboration, it can assist both nations to take the opportunity as we have the technology, knowledge, expertise and skills to participate in the research sector effectively," said Khairuddin.

He added that renewable energy is important to places such as Sarawak, as the population is scattered and

I hope that with this collaboration, it can assist both nations to take the opportunity as we have the technology, knowledge, expertise and skills to participate in the research sector effectively.

Prof Datuk Dr Khairuddin Abdul Hamid, Unimas vice-chancellor

areas such as the rural requires special attention.

"It is quiet difficult for the government to provide basic necessities such as clean water supply and electricity, but with this collaboration, it is our hope that we can formulate ways to help people in the rural with homegrown energy," he said.

On related matter, Khairuddin pointed out that Prime Minister Datuk Seri Najib Tun Razak had offered to cut the energy intensity by 40 per cent in 2020 and a reduction of carbon intensity equivalent of 11 million

tonnes will be expected from the action.



IT'S A DEAL: Khairuddin (left) exchanges the MoU with Ali (right) after the signing ceremony.

fight poverty as renewable energy can stop marginalisation of the rural areas in the world and the desperate living conditions of people in crowded cities.

The MoU between both research centres was to collaborate in the development of collaborative research projects,

organisation of joint academic and scientific activities; exchange of publications and other common interest materials and related areas of co-operation.

Quest delegates were headed by its vice chancellor Prof Dr Ali Bux Soomro and Prof Saleem Raza Samo.

COERE promoting new energy, The Borneo Post